

OFFICE OF THE CHIEF MEDICAL EXAMINER ANNUAL REPORT



**2008
JANUARY 1 – DECEMBER 31
STATE OF OKLAHOMA**

TABLE OF CONTENTS

FORWARD	1
BRIEF SUMMARY.....	2
MANDATE	3
FAMILY ASSISTANCE	4
FIFTEEN YEAR COMPARISON.....	5-14
OVERVIEW OF 2008 CASES.....	15-18
AUTOPSY DATA	19
HOMICIDE DEATHS.....	20-24
SUICIDE DEATHS	25-45
ACCIDENTAL DEATHS	46-50
TRAFFIC DEATHS	51-54
NATURAL DEATHS.....	55-58
SUDDEN INFANT DEATH SYNDROME.....	59-61
UNDETERMINED DEATHS	62
MANNER OF DEATH BY COUNTY	63-65
MANNER OF DEATH BY TYPE	66-68
DEATHS DUE TO DRUGS AND POISONS	69-78
HOMICIDES SCREENED FOR DRUGS	79
DRUGS DEATHS BY MANNER - 5 YEAR COMPARISON	80
COMMON DRUGS OF DEATH - 5 YEAR COMPARISON.....	81
TOP TEN DRUGS NORMALIZED	82
TOP 10 DRUGS DETECTED BY JURISDICTION	83

2008 ANNUAL REPORT
PREPARED BY
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OFFICE OF THE CHIEF MEDICAL EXAMINER
901 N. STONEWALL
OKLAHOMA CITY, OKLAHOMA 73117

FOREWARD

The Office of the Chief Medical Examiner of the State of Oklahoma has the sole responsibility for investigating sudden, violent, unexpected and suspicious deaths. Information gained from these medicolegal investigations is frequently required in the form of evidence and expert testimony in both criminal and civil legal proceedings.

When a death occurs on the job or appears to be work-related, the results of the medicolegal investigation are of direct benefit to the family in order that insurance claims may be appropriately settled. These examinations also help identify potentially unsafe consumer products. The public health function of the medical examiners office is further apparent in the investigation of cases in which poisons or infectious agents are implicated. The identification of such dangerous elements allows the prompt implementation of treatment and preventive measures through coordination with Oklahoma's Public Health Agencies and OSHA.

The staff of the Office of the Chief Medical Examiner recognizes and is sensitive to the personal tragedy surrounding an untimely or violent death. The staff members interrelate daily with families of victims and serve on many community related activities such as the Child Abuse Prevention Taskforce, the Domestic Violence Fatality Review Board and the Child Death Review Board. Medicolegal education is offered to medical, dental, pharmacy, and nursing students, physicians, police officers and lay groups having interest in topics to which the medical examiner relates. Cooperation with other state and federal agencies such as the Oklahoma State Department of Health and the Centers for Disease Control in Atlanta allows information generated by the medical examiner to be utilized in epidemiological surveillance and development of public health programs.

Most importantly, The Office of the Chief Medical Examiner represents a resource of impartial professionals and support staff providing continuous objective medicolegal investigations to the People of Oklahoma.

MEDICAL EXAMINER CASES IN 2008

BRIEF SUMMARY

In 2008, there were 36,140 deaths reported in the State of Oklahoma. Of these, 18,1012 were reported to the medical examiner by medical and law enforcement personnel. Based on the analysis of the scene and circumstances of death and the decedent's medical history, the medical examiner assumed jurisdiction in 14,887 of these reported deaths. Of these, 11,886 were investigated because they were going to be cremated, shipped out of state or ultimately made unavailable for pathological study. Throughout the presentation and discussion of data that follows, except where stated, these cases are excluded.

Complete investigation and examination were performed in 5,082 cases. Of these, 1,493 were selected for autopsy. Autopsies by medical examiner pathologists were not performed in deaths where scene investigation, circumstances, medical history, and external examination of the body provided sufficient information for death certification.

Specific presentation of relevant tables regarding 2008 cases follows this brief summary.

OFFICE OF THE CHIEF MEDICAL EXAMINER STATE OF OKLAHOMA

The Oklahoma Medical Examiner's system came into being in 1961. It was without funding until 1967. The Office of the Chief Medical Examiner of the State of Oklahoma operates under the control of the Board of Medicolegal Investigations through the provisions of the Oklahoma Statutes. The office is directed by the Chief Medical Examiner who is a licensed physician, trained and certified in forensic pathology, the branch of medicine concerned with the investigation of sudden, unexpected, violent or suspicious death. The office provides toxicological and pathological services to aid in the investigation of death defined by law as being subject to public inquiry.

In the State of Oklahoma, the medical examiner is the medical officer charged with the medical aspects of death investigation. These medical examiners are licensed medical and osteopathic physicians in private practice who, as a service to their community and to the state, have consented to serve in this official capacity. The medical examiner is an officer of the state charged with certain statutory powers and duties.

The law requires that all human deaths of the types listed below must be reported to the medical examiner and investigated by him.

1. Violent deaths, whether apparently homicidal, suicidal or accidental including but not limited to deaths due to thermal, chemical, electrical or radiational injury and deaths due to criminal abortions, whether self-induced or not.
2. Deaths under suspicious, unusual or unnatural means.
3. Deaths related to disease which might constitute a threat to public health.
4. Deaths unattended by a licensed medical or osteopathic physician for fatal or potentially fatal illness.
5. Deaths of persons after unexplained coma.
6. Deaths that are medically unexpected and that occur during a therapeutic procedure.
7. Deaths of any inmate occurring in any place of penal incarceration.
8. Deaths of persons whose bodies are to be cremated, buried at sea, transported out of state or otherwise made ultimately unavailable for pathological study.

FAMILY ASSISTANCE

The Office of the Chief Medical Examiner is the sole entity responsible for establishing the cause and manner of death for the State of Oklahoma in types of deaths specifically defined by Oklahoma Statute. Deaths caused by homicide; or those of a suspicious nature, obviously generate a substantial amount of interest from family members, friends, the general public and the media. The State of Oklahoma averages several hundred of these deaths per year.

Relatives and friends of these decedents unfortunately can get lost in the whirlwind chaos of the aftermath of the victim's death. When informed and confronted with their unexpected loss they can be left alone trying to determine what actually occurred and what to do next after a build up of disbelief regarding the death of their loved one or friend.

As a result of several major catastrophes in Oklahoma and the every day experiences of personal tragedies by numerous families, this Agency became painfully aware of the countless questions individuals seek. The search for prompt answers to their questions seems to never end.

Since 1999, with the assistance of a federal grant from the Victim's of Crime Act (VOCA) through the U.S. Department of Justice and monitored by the Oklahoma District Attorney's Council, the Office of the Chief Medical Examiner has been able to greatly expand its services to assist families and friends of those who suffer violent deaths with the creation of the Family Assistance Coordinators. The Central and Eastern Division Office each have a Coordinator position available.

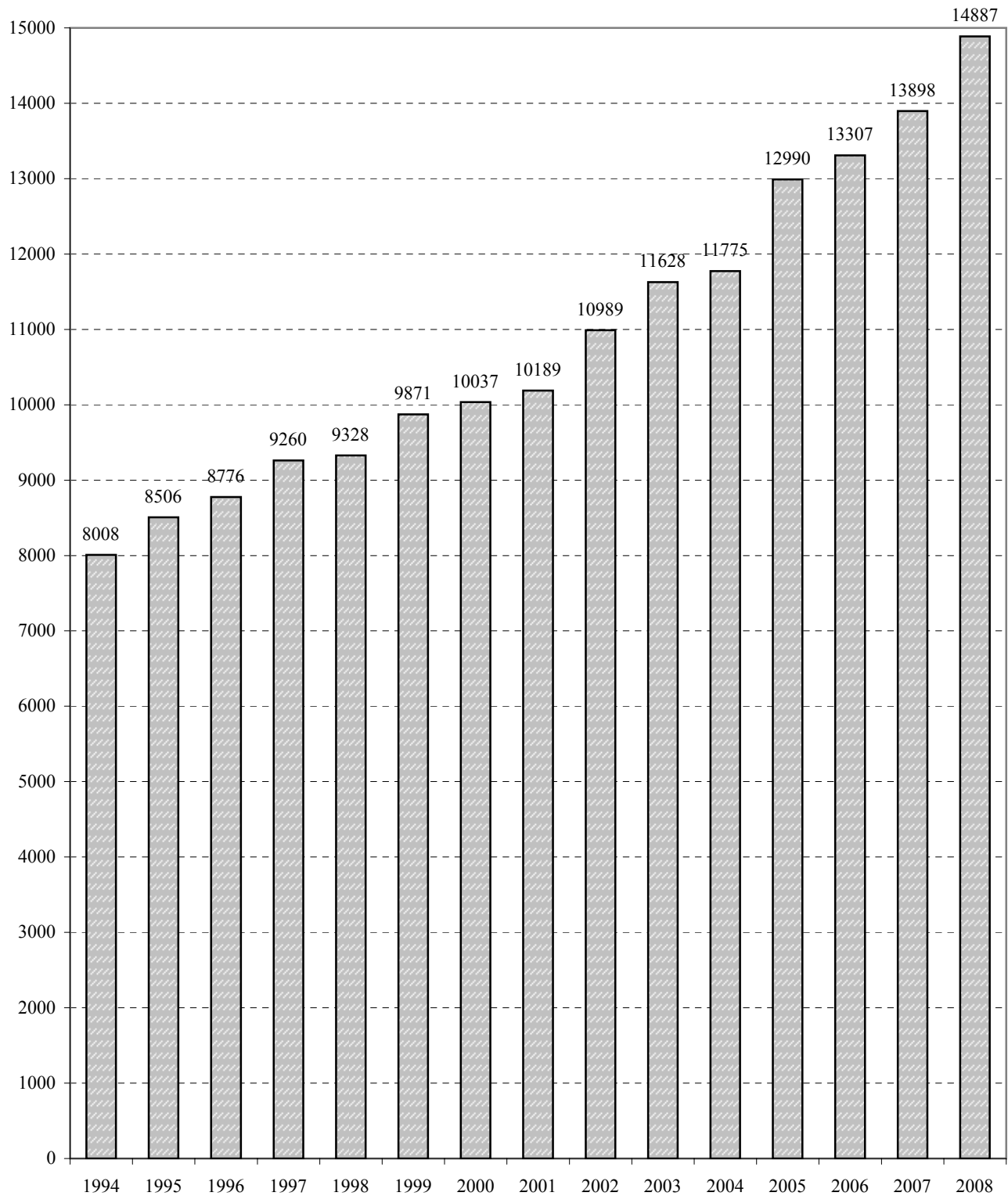
The Coordinators ensure that medical and investigative information is provided to families and friends without delay. Efforts are made to get responses to their countless inquiries about medical questions, circumstances as to the cause of death and what to expect from a variety of other agencies they are introduced to because of death. The Family Assistance Coordinators keep close contact with the families and friends as the case proceeds through the many facets of the death investigation.

In addition, the Family Assistance Coordinators keep families informed as to the many monetary benefits available to them through the VOCA Grant. These benefits assist families with the burdensome and frequently unexpected out-of-pocket expenses for funeral costs, economic losses, medical costs and professional grief counseling.

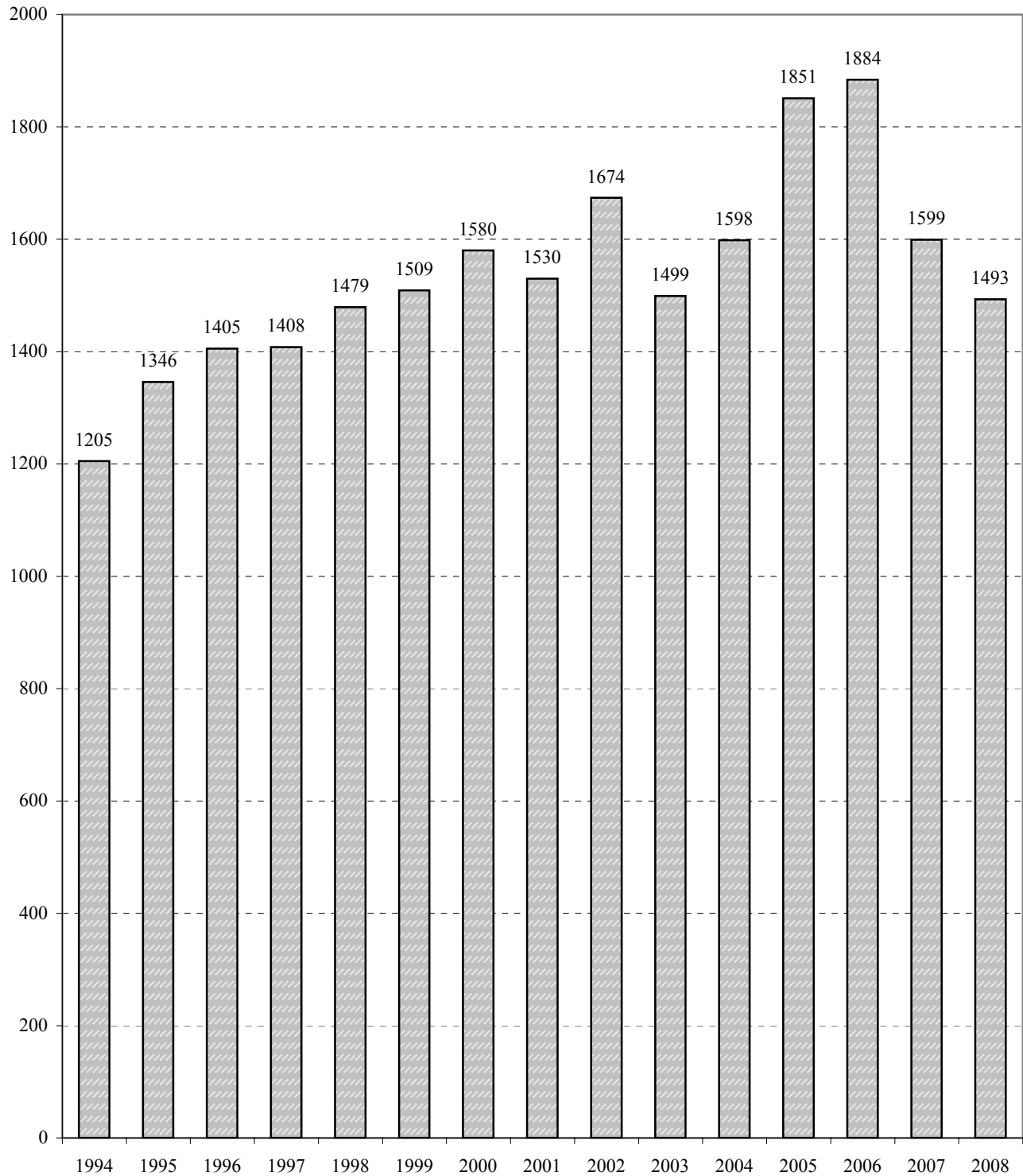
Coordinators also assist in informing families and friends of what they may encounter from their unexpected introduction into the criminal justice system. By communicating closely with other victim or community service's, relatives and friends are better prepared for the sometimes cruel and unbelievable circumstances surrounding their loved one's death.

As a result of this Agency's dedication in dealing with the various family issues and questions which arise from traumatic deaths, a development of trust and dependability has been created between the Office of the Chief Medical Examiner and the families and friends it serves.

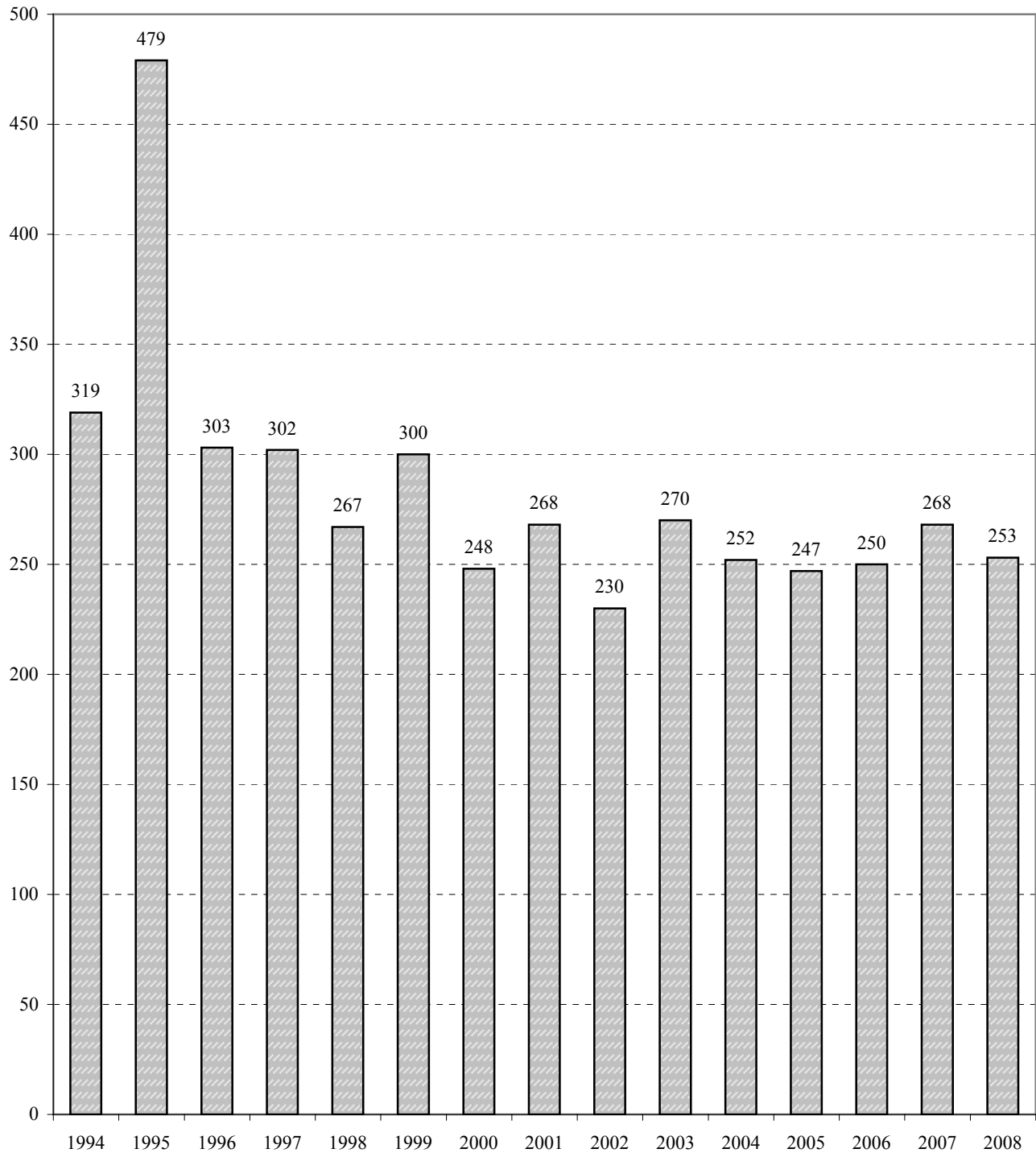
JURISDICTION ASSUMED FIFTEEN YEAR COMPARISON



CASES AUTOPSIED FIFTEEN YEAR COMPARISON

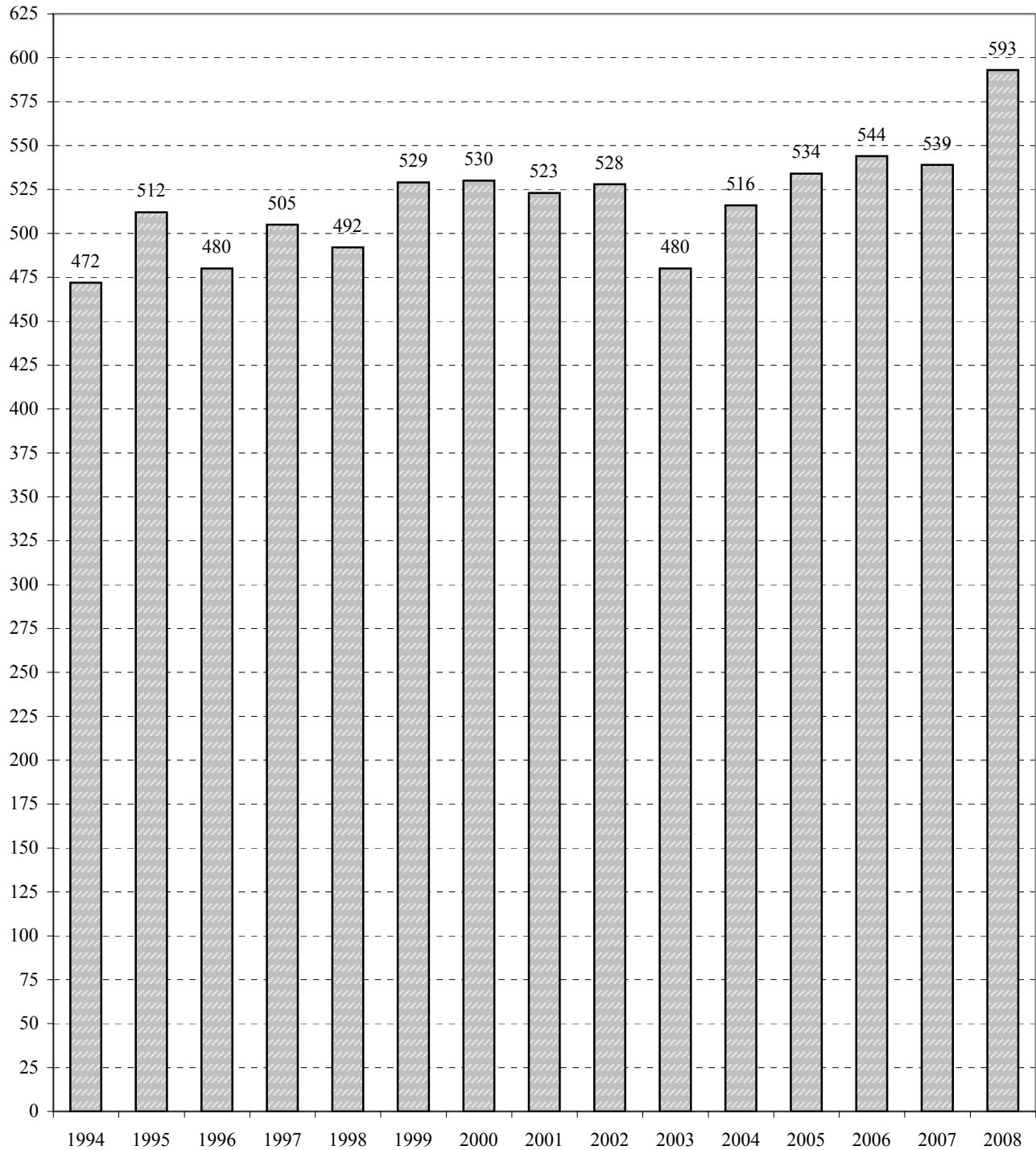


HOMICIDE CASES FIFTEEN YEAR COMPARISON

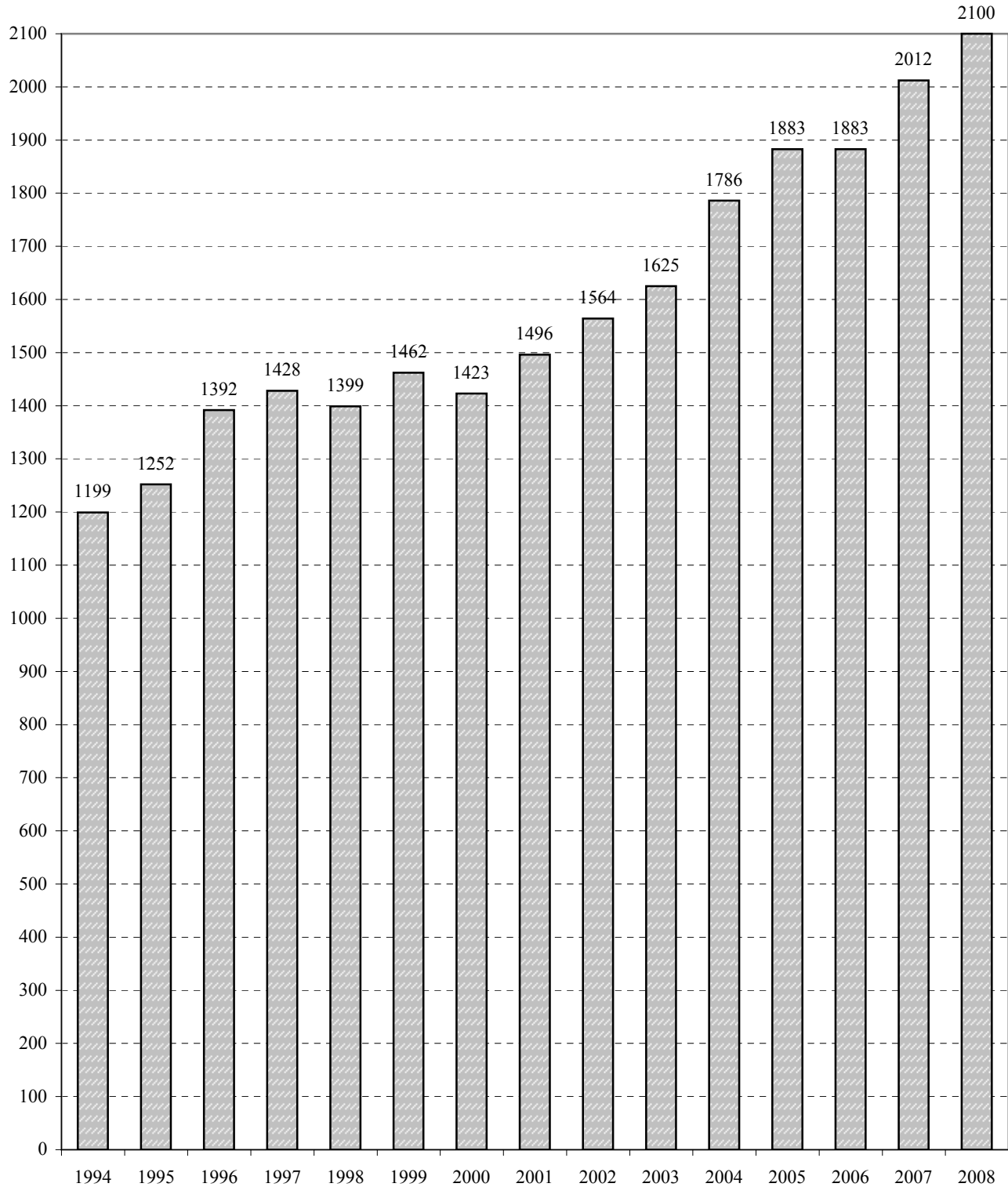


SUICIDE CASES

FIFTEEN YEAR COMPARISON

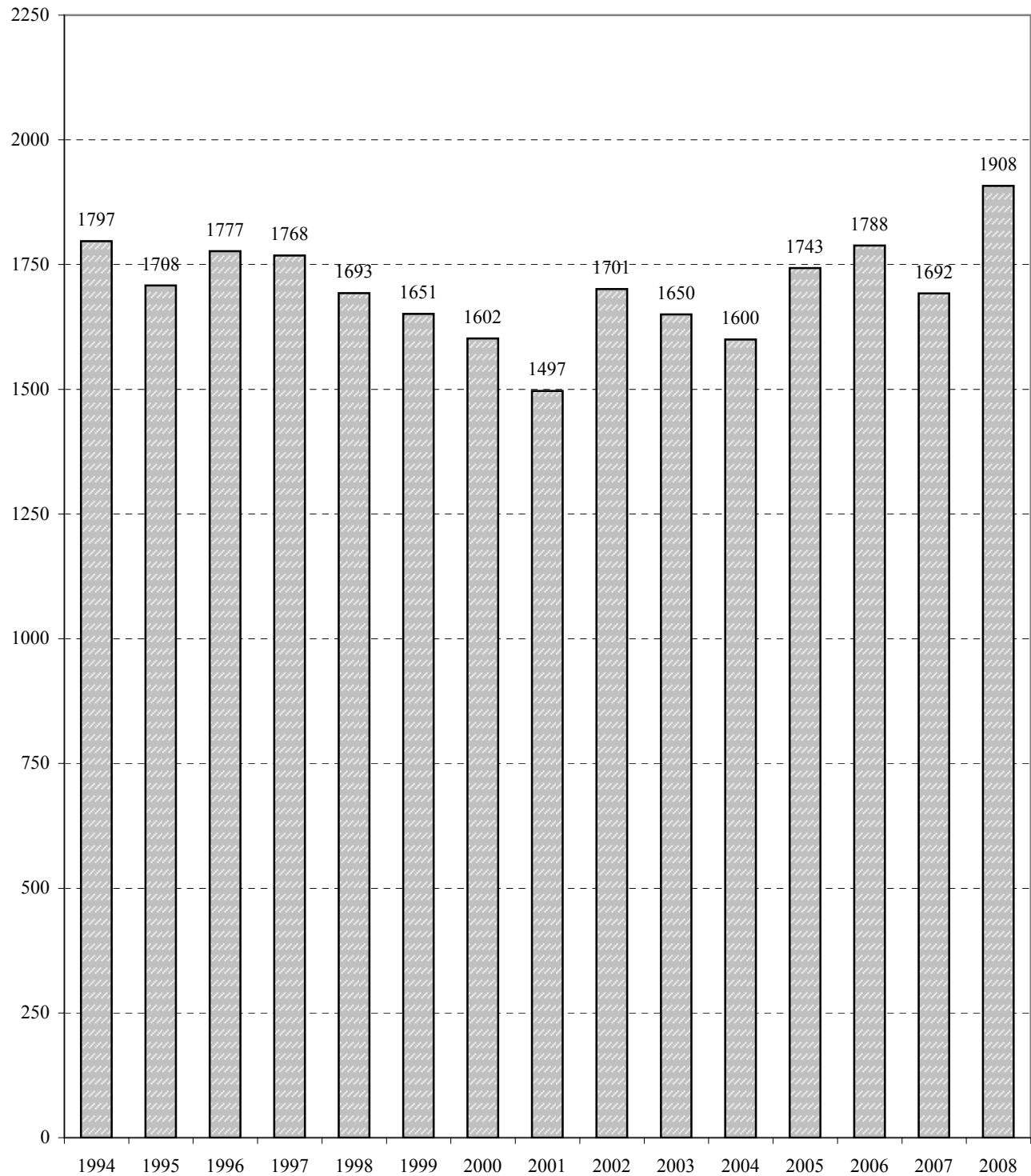


ACCIDENT CASES FIFTEEN YEAR COMPARISON INCLUDING TRAFFIC

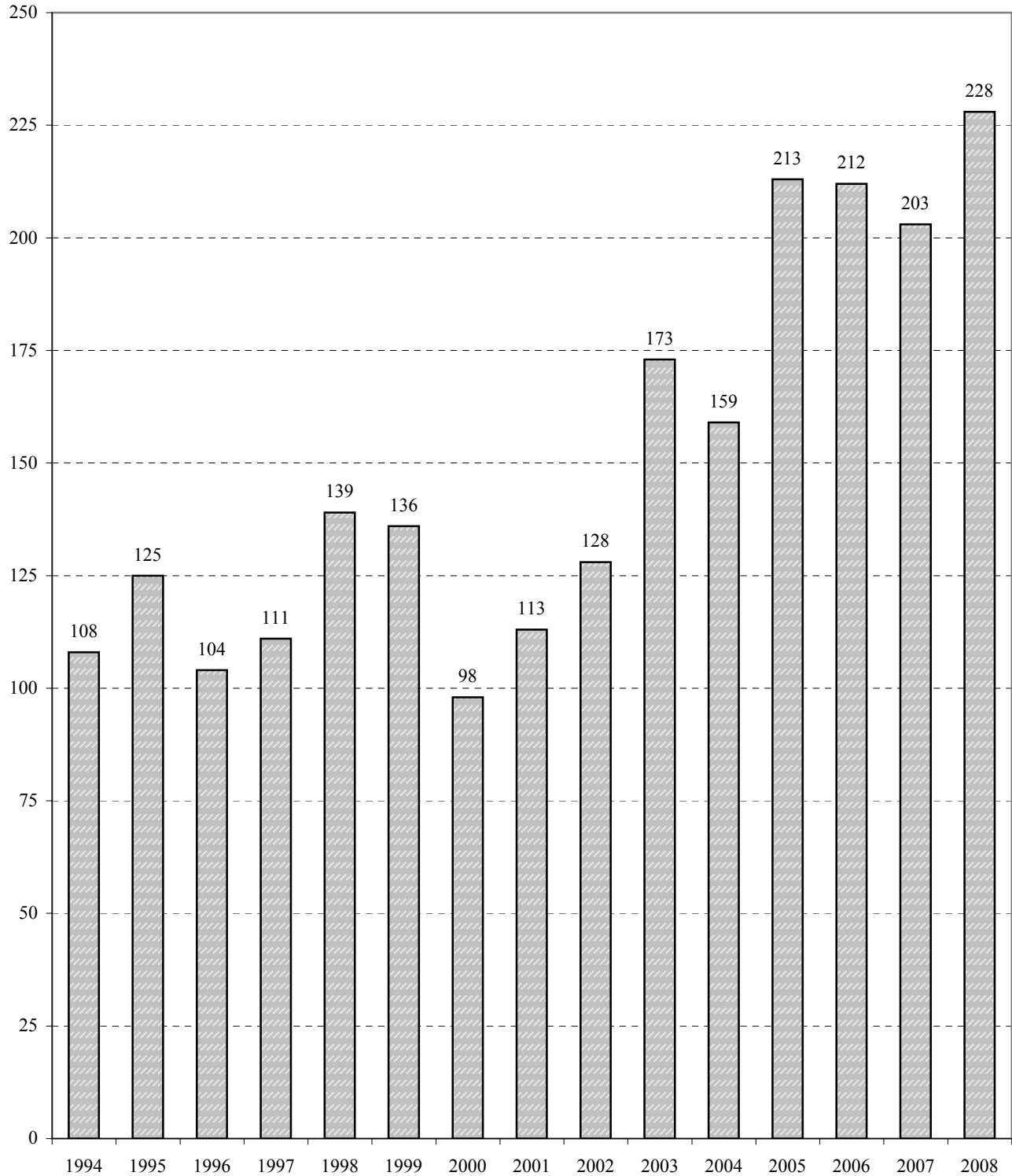


NATURAL CASES

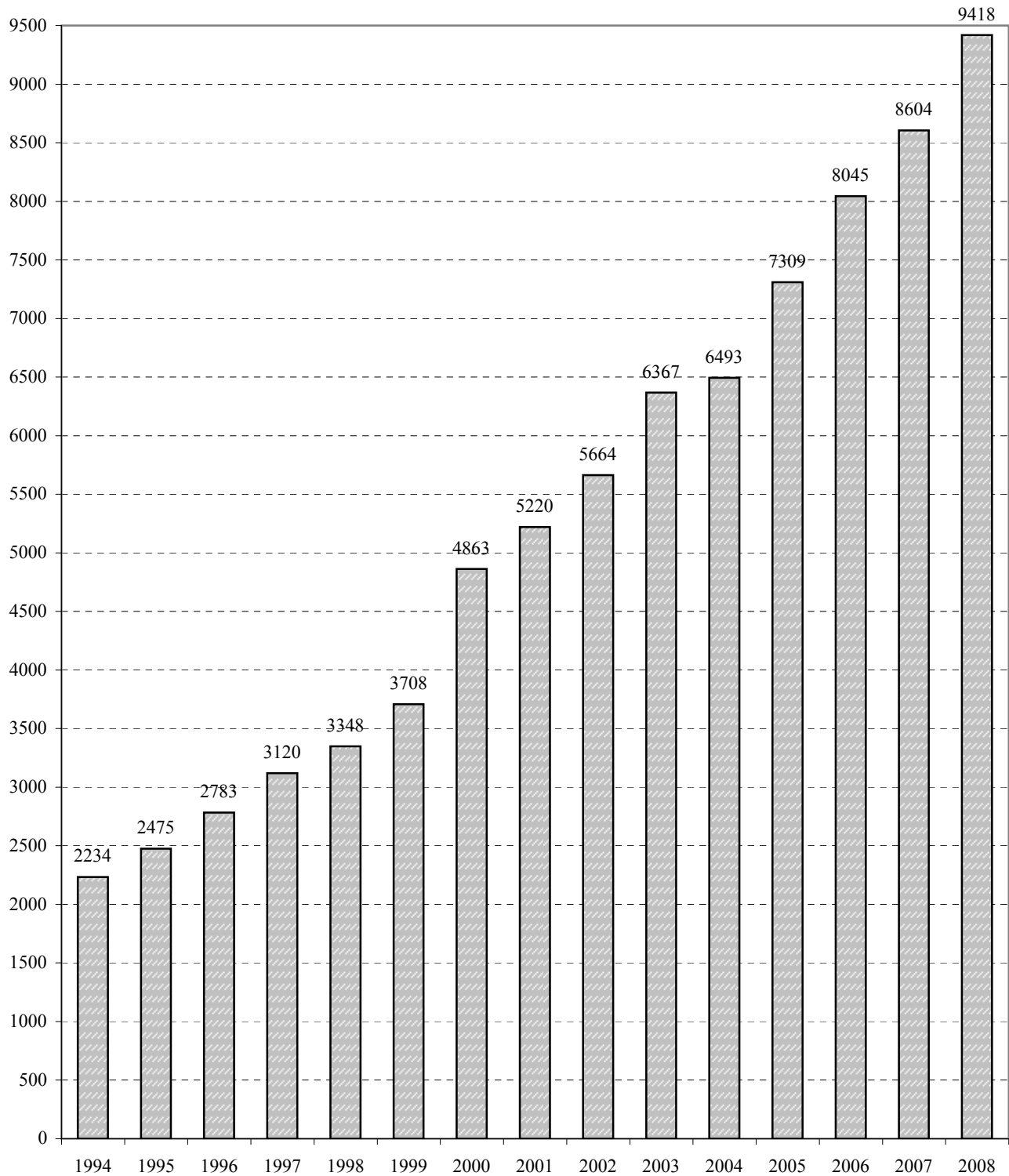
FIFTEEN YEAR COMPARISON



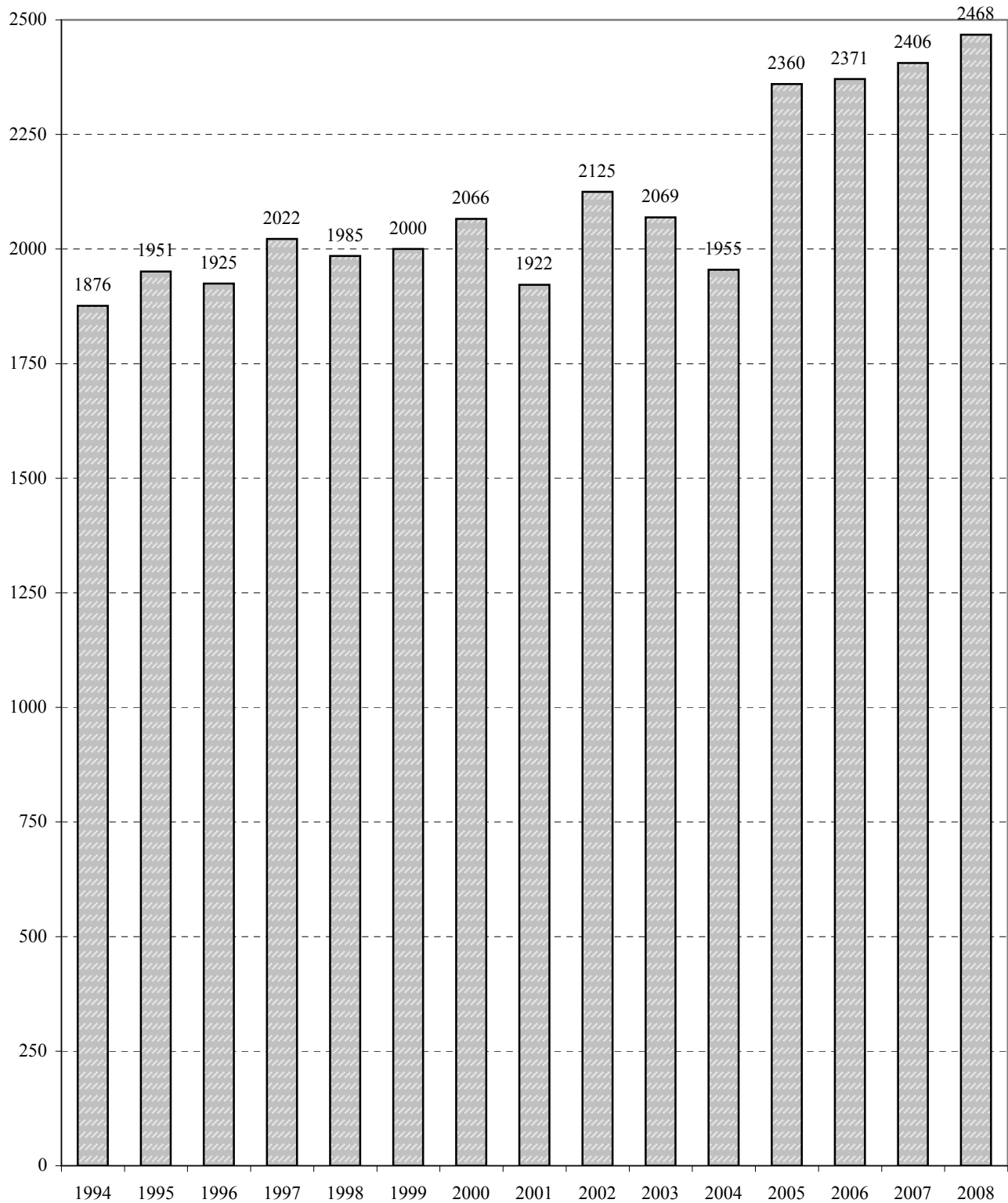
UNDETERMINED CASES FIFTEEN YEAR COMPARISON



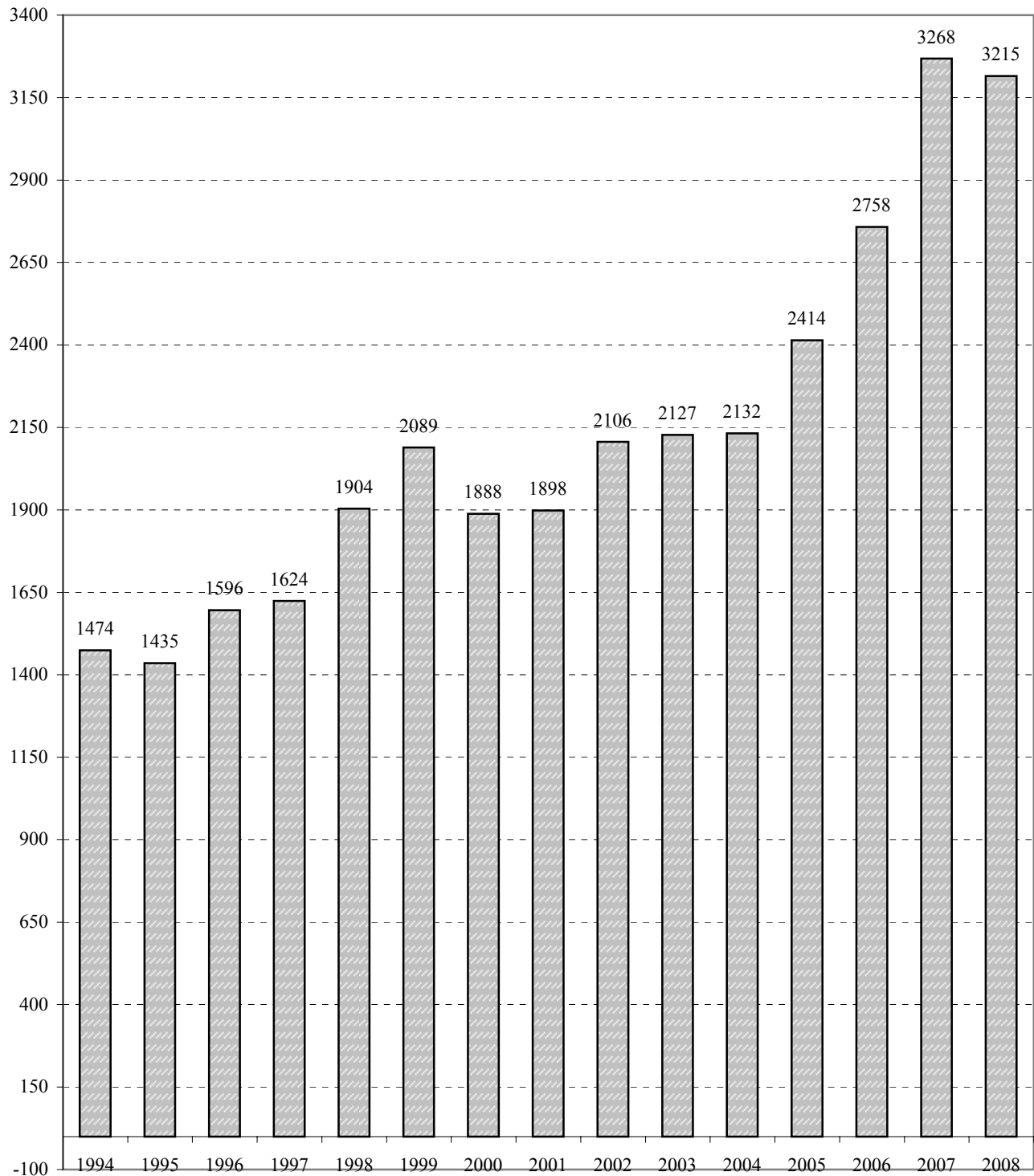
CREMATION CASES FIFTEEN YEAR COMPARISON



OUT OF STATE CASES FIFTEEN YEAR COMPARISON

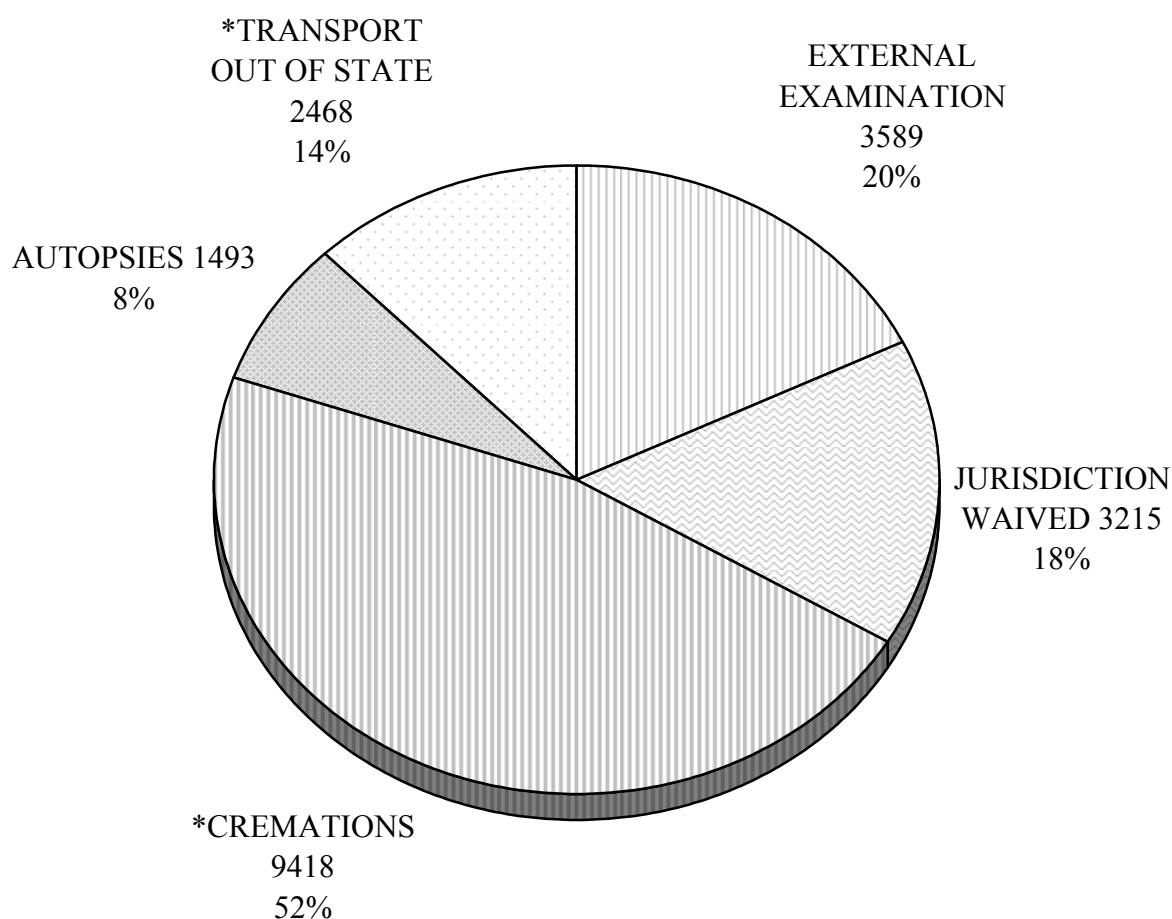


JURISDICTION WAIVED FIFTEEN YEAR COMPARISON



36,140 TOTAL DEATHS IN OKLAHOMA

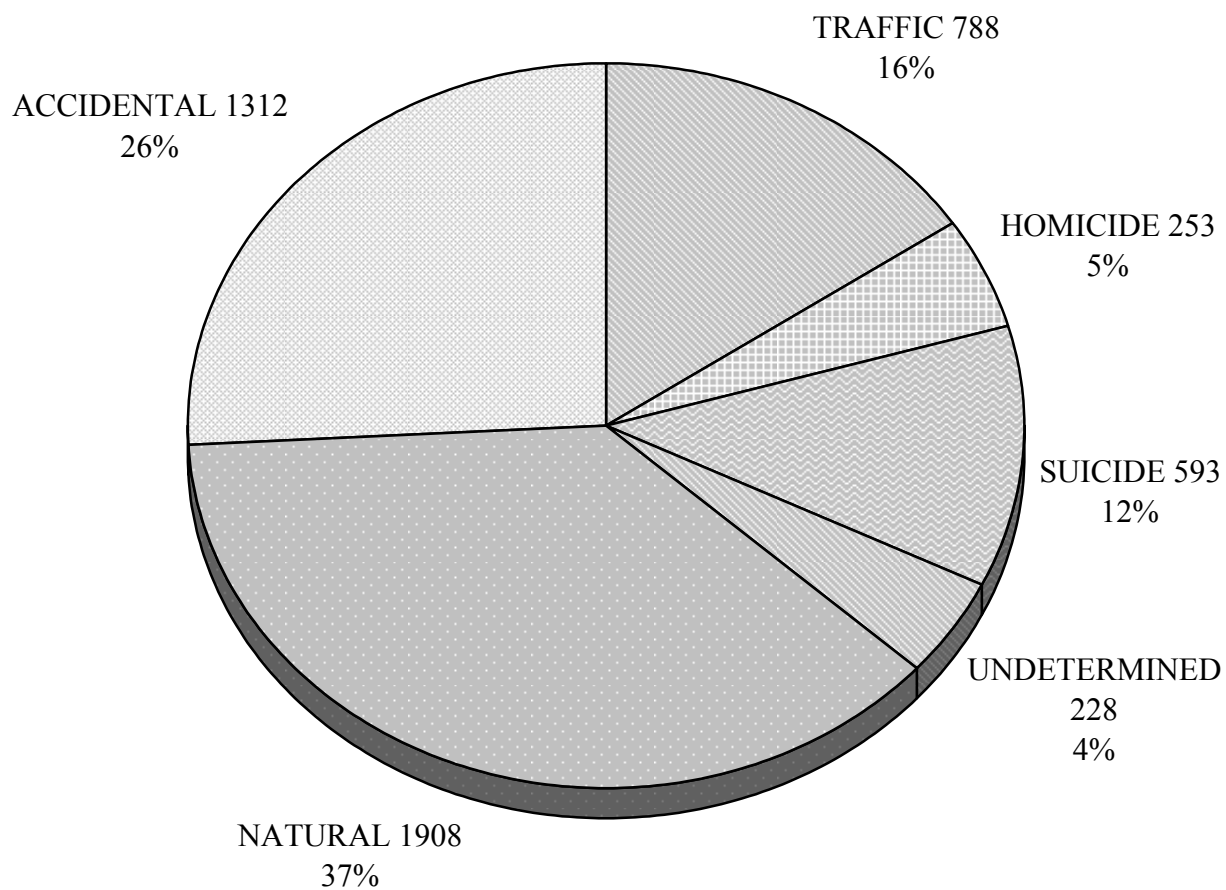
DEATHS REPORTED TO MEDICAL EXAMINER 18,102



50% of all deaths in Oklahoma were reported
to the Medical Examiner

*2081 of the cases cremated/transported out of state were also medical examiner cases for other reasons and were examined and/or autopsied

MEDICAL EXAMINER CASES
EXAMINED AND/OR AUTOPSIED
TOTAL 5082



MEDICAL EXAMINER CASES

CLASSIFIED BY AGE													
MANNER/AGE	0-5	6-10	11-15	16-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	UNK	TOTAL
NATURAL	54	6	6	10	44	113	351	517	368	226	213	0	1908
TRAFFIC	13	2	26	90	169	104	125	113	64	47	35	0	788
ACCIDENT	34	11	6	38	152	169	283	231	91	101	195	1	1312
SUICIDE	0	0	6	29	105	99	119	107	62	42	24	0	593
HOMICIDE	14	2	7	26	61	56	48	15	17	4	3	0	253
UNDETERMINED	78	1	2	4	28	23	30	38	6	7	6	5	228
TOTAL	193	22	53	197	559	564	956	1021	608	427	476	6	5082

CLASSIFIED BY RACE							
MANNER/RACE	WHITE	BLACK	AM INDIAN	HISPANIC	OTHER	UNK	TOTAL
NATURAL	1565	183	102	44	14	0	1908
TRAFFIC	635	40	59	42	11	1	788
ACCIDENT	1123	64	69	45	9	2	1312
SUICIDE	529	25	20	14	4	1	593
HOMICIDE	132	74	17	27	3	0	253
UNDETERMINED	175	24	14	10	0	5	228
TOTAL	4159	410	281	182	41	9	5082

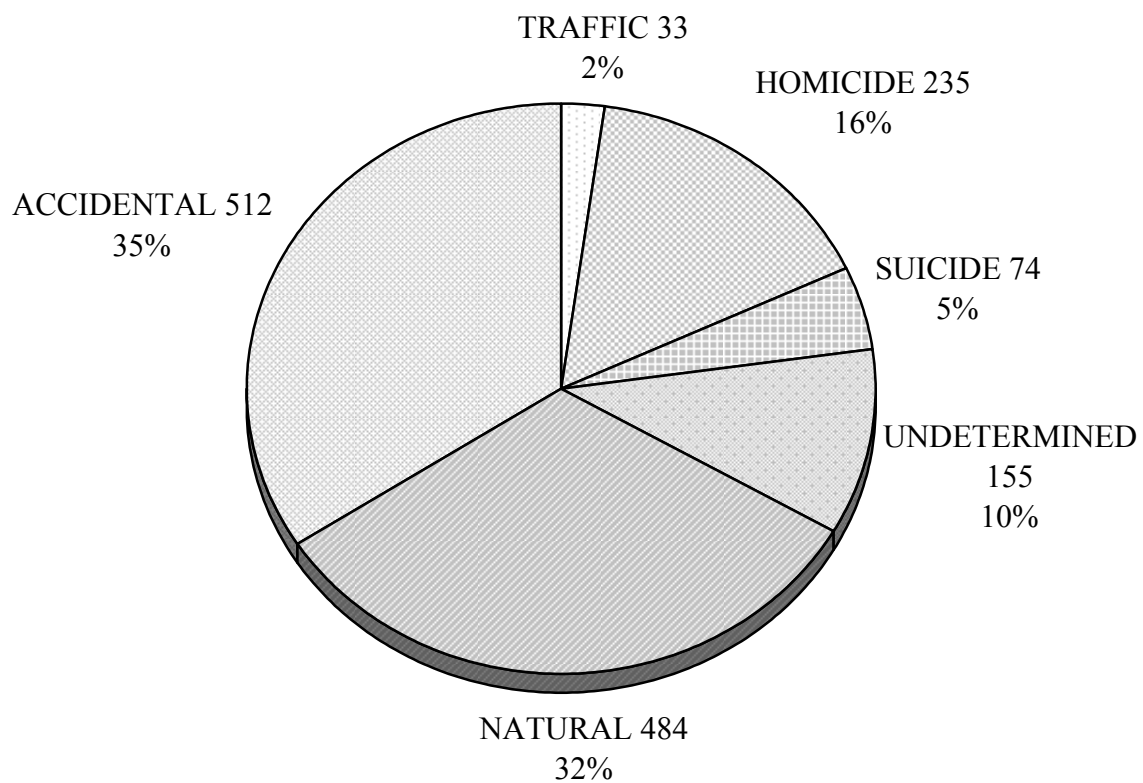
MEDICAL EXAMINER CASES

CLASSIFIED BY MONTH													
MANNER/MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NATURAL	168	181	171	133	140	147	157	149	148	135	175	204	1908
TRAFFIC	51	54	63	64	67	68	75	65	65	66	72	78	788
ACCIDENT	115	90	105	109	93	125	122	109	112	105	128	99	1312
SUICIDE	52	47	59	51	51	51	43	60	46	46	40	47	593
HOMICIDE	18	15	21	28	17	23	26	21	23	20	19	22	253
UNDETERMINED	18	17	19	23	17	22	27	26	14	12	16	17	228
TOTAL	422	404	438	408	385	436	450	430	408	384	450	467	5082

CLASSIFIED BY SEX				
MANNER/SEX	MALE	FEMALE	UNKNOWN	TOTAL
NATURAL	1275	633	0	1908
TRAFFIC	554	234	0	788
ACCIDENT	838	474	0	1312
SUICIDE	472	121	0	593
HOMICIDE	196	57	0	253
UNDETERMINED	148	76	4	228
TOTAL	3483	1595	4	5082

MEDICAL EXAMINER CASES AUTOPSIED

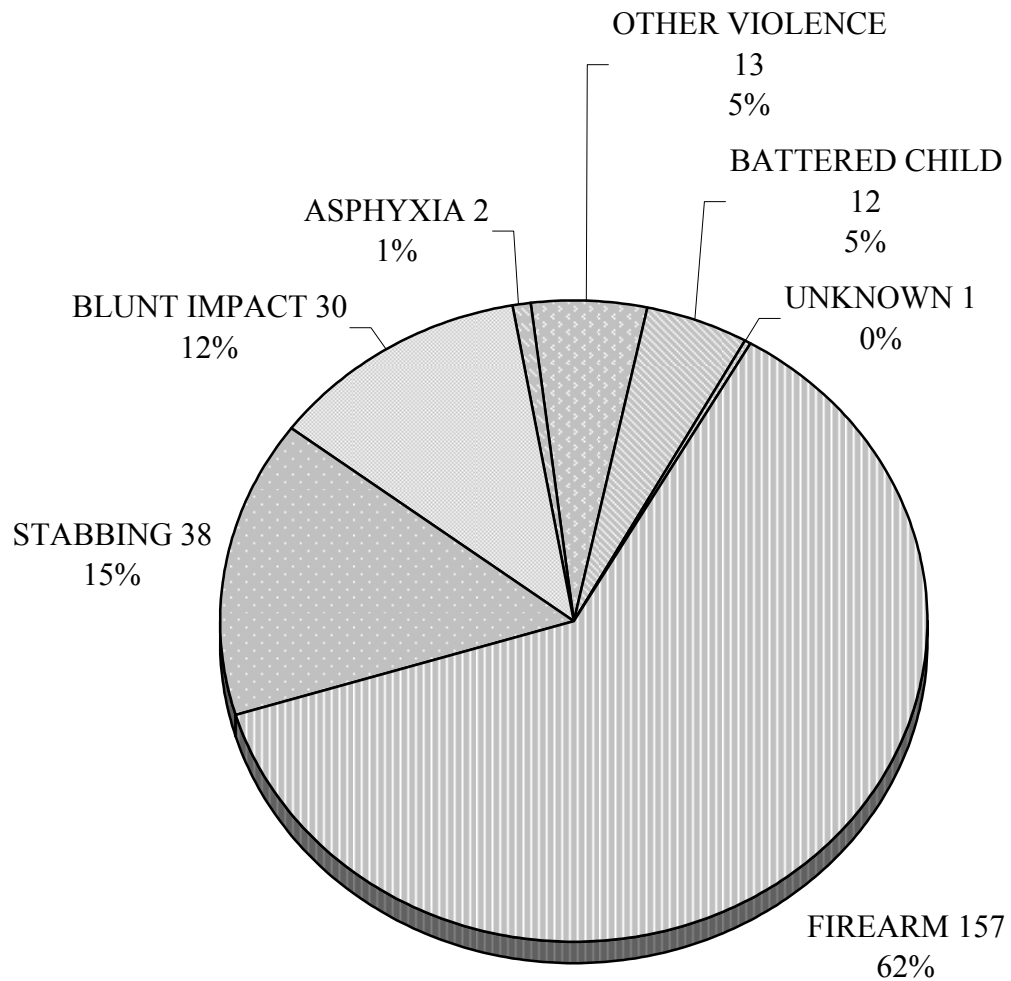
TOTAL 1493



29% of Medical Examiner Cases Were Autopsied

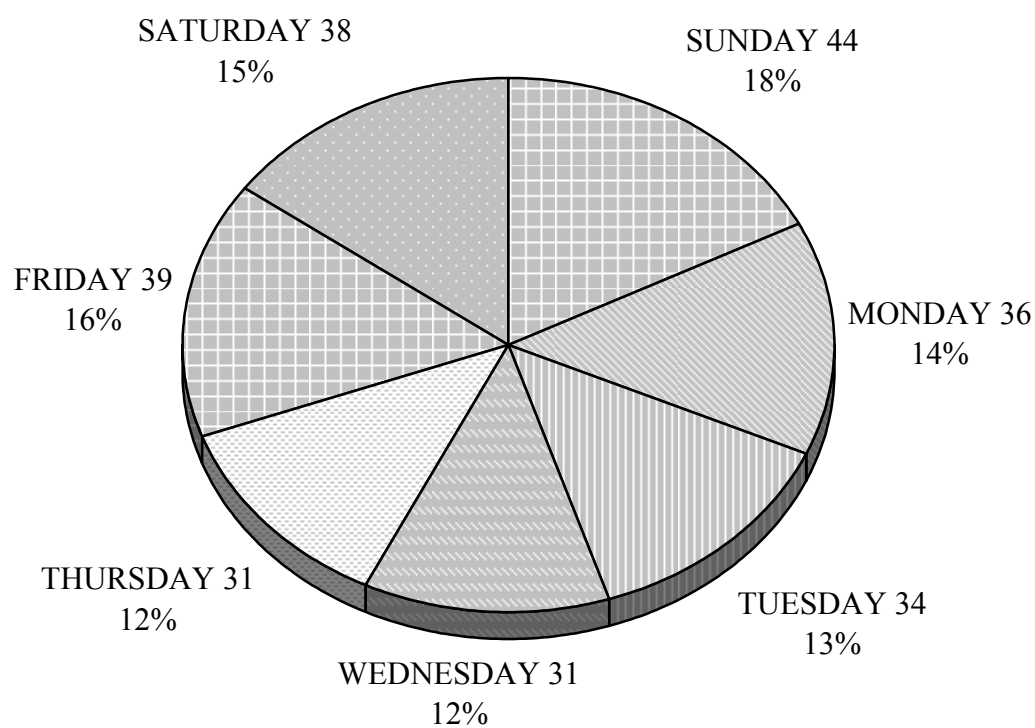
HOMICIDE DEATHS

TOTAL 253

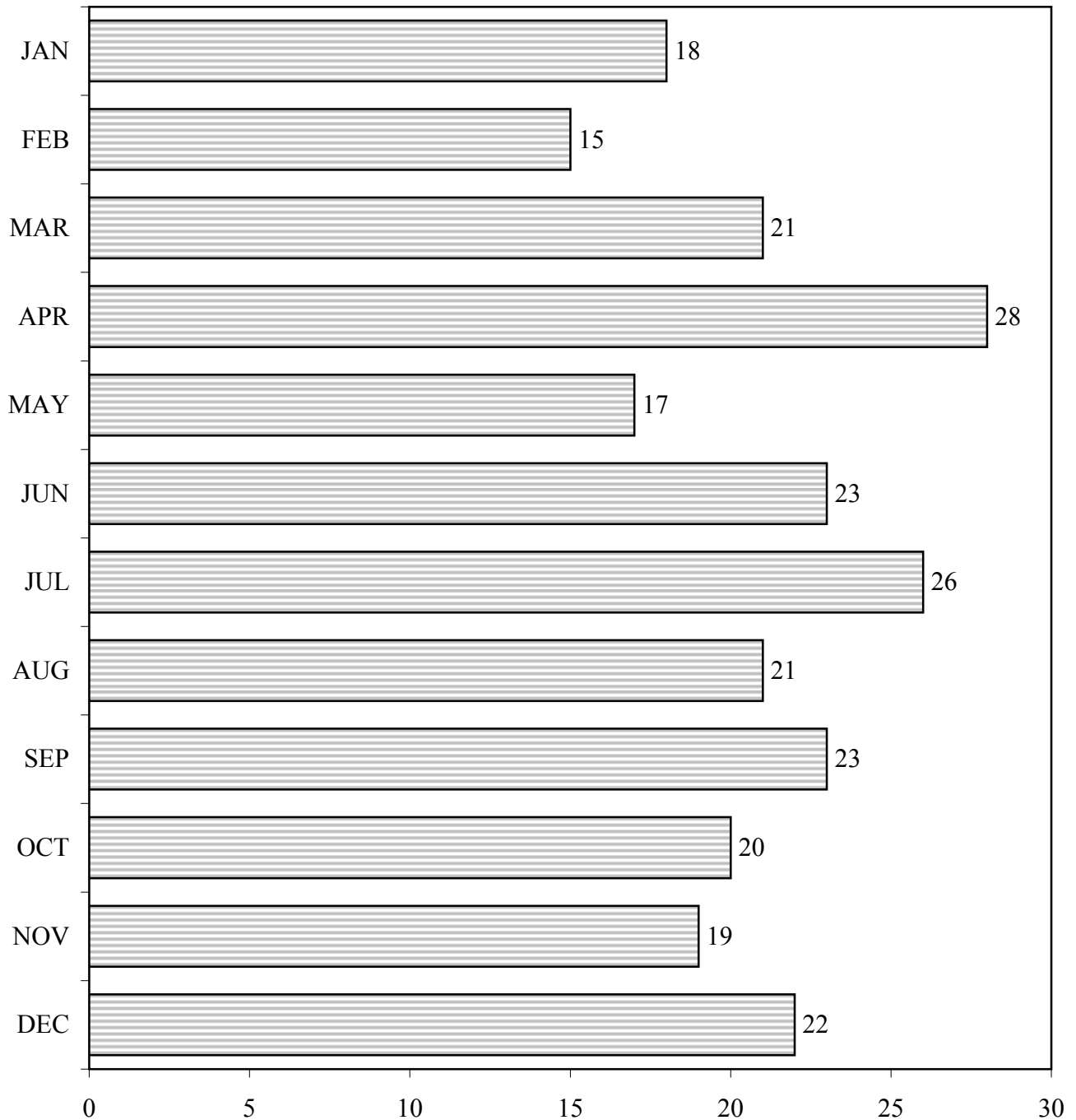


Other Violence - 2 Drugs, 3 Vehicular, 4 Fire, 4 Other/Unknown

HOMICIDE DEATHS CLASSIFIED BY DAY OF WEEK TOTAL 253



HOMICIDE DEATHS CLASSIFIED BY MONTH TOTAL 268



HOMICIDES

CLASSIFIED BY AGE													
METHOD/AGE	0-5	6-10	11-15	16-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	UNK	TOTAL
FIREARM	1	1	6	23	46	40	24	6	8	2	0	0	157
BLUNT IMPACT	1	0	0	0	3	9	7	6	1	0	3	0	30
STABBING	0	0	1	2	10	4	12	0	7	2	0	0	38
ASPHYXIA	0	0	0	0	0	0	2	0	0	0	0	0	2
BATTERED CHILD	11	1	0	0	0	0	0	0	0	0	0	0	12
OTHER/UNKNOWN	1	0	0	1	2	3	3	3	1	0	0	0	14
TOTAL	14	2	7	26	61	56	48	15	17	4	3	0	253

CLASSIFIED BY RACE							
METHOD/RACE	WHITE	BLACK	AM INDIAN	HISPANIC	OTHERS	UNKNOWN	TOTAL
FIREARM	69	58	7	20	3	0	157
BLUNT IMPACT	21	4	4	1	0	0	30
STABBING	26	7	3	2	0	0	38
ASPHYXIA	1	0	1	0	0	0	2
BATTERED CHILD	8	2	0	2	0	0	12
OTHER/UNKNOWN	7	3	2	2	0	0	14
TOTAL	132	74	17	27	3	0	253

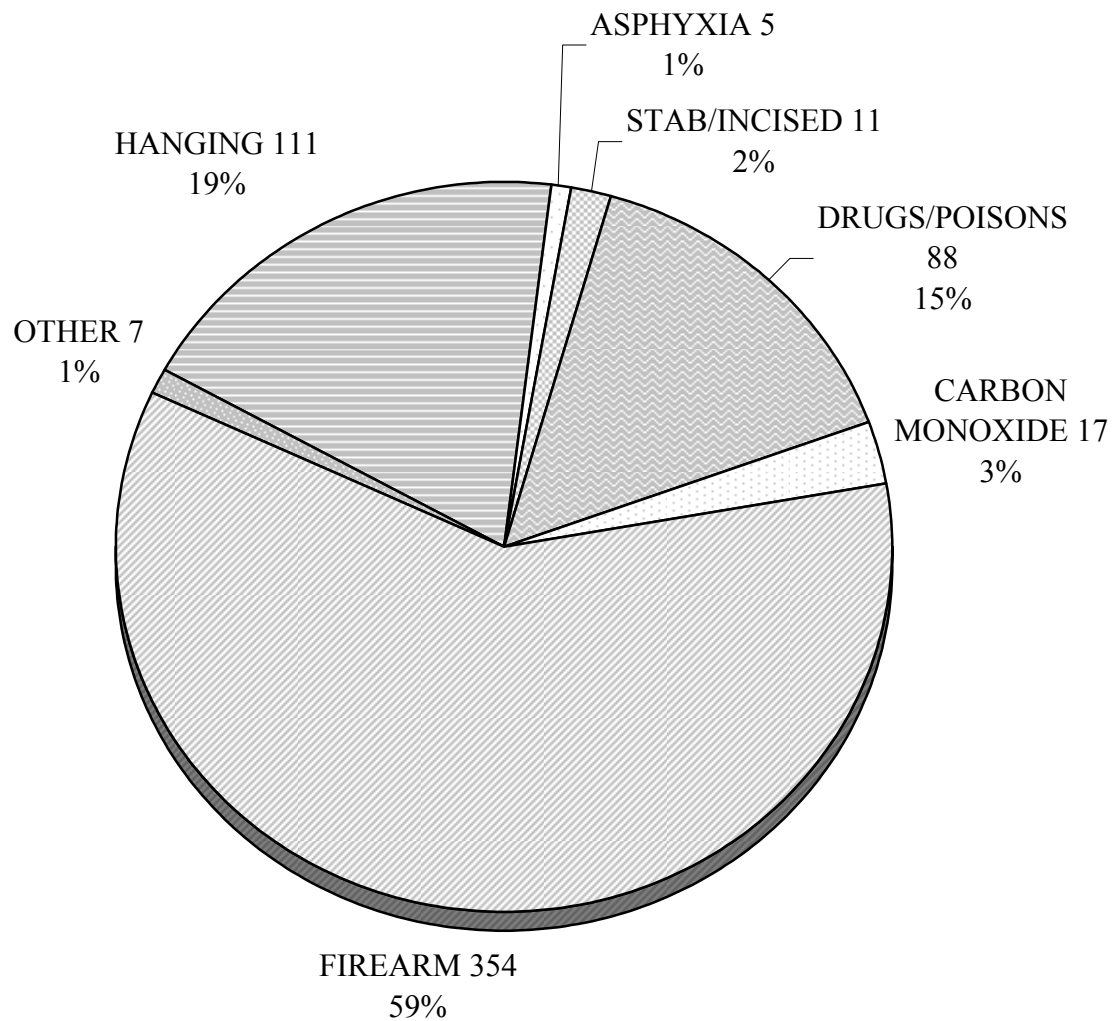
HOMICIDES

CLASSIFIED BY BLOOD ALCOHOL								
METHOD/ETOH	TEST	NEG	0.02 - 0.04	0.05 - 0.09	0.10 - 0.19	0.20 - 0.29	0.30+	TOTAL
FIREARM	7	100	6	13	28	2	1	157
BLUNT IMPACT	2	13	0	0	8	3	4	30
STABBING	0	23	2	2	8	3	0	38
ASPHYXIA	1	0	0	0	0	0	1	2
BATTERED CHILD	1	11	0	0	0	0	0	12
OTHER/UNKNOWN	4	6	0	0	4	0	0	14
TOTAL	15	153	8	15	48	8	6	253

CLASSIFIED BY SEX				
METHOD/SEX	MALE	FEMALE	UNKNOWN	TOTAL
FIREARM	124	33	0	157
BLUNT IMPACT	22	8	0	30
STABBING	30	8	0	38
ASPHYXIA	2	0	0	2
BATTERED CHILD	8	4	0	12
OTHER/UNKNOWN	10	4	0	14
TOTAL	196	57	0	253

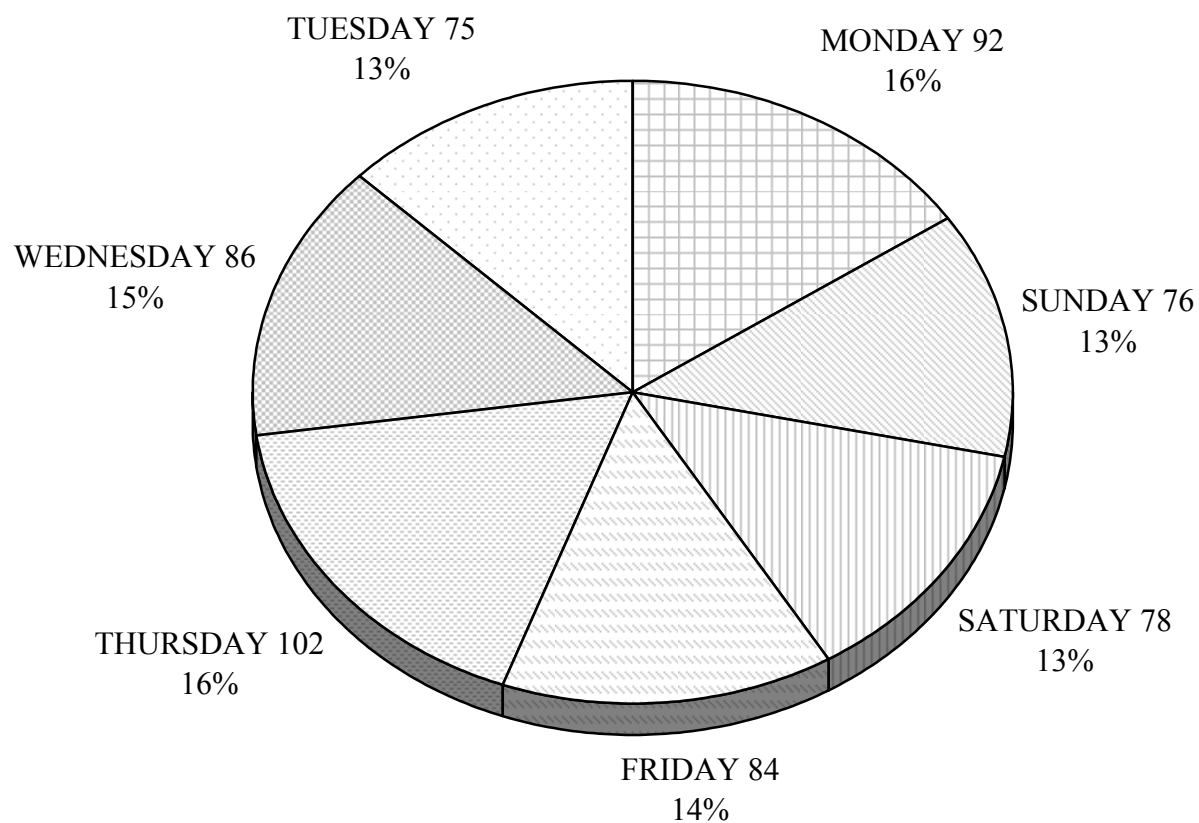
SUICIDE DEATHS

TOTAL 593

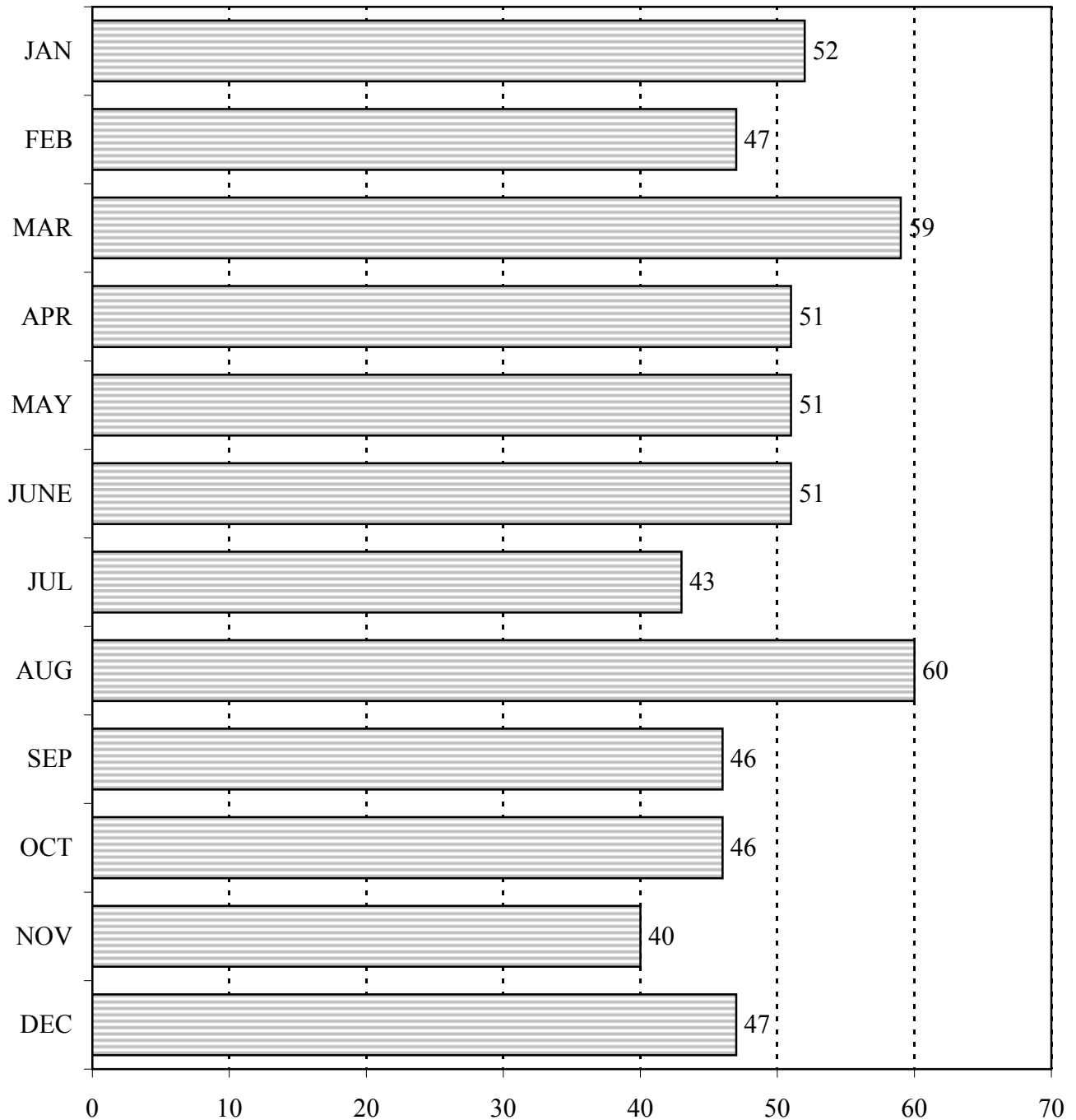


Other - 2 Fire, 1 Electrocution, 3 Vehicular/Train, 1 Drowning

SUICIDE DEATHS CLASSIFIED BY DAY OF WEEK TOTAL 593



SUICIDE DEATHS CLASSIFIED BY MONTH TOTAL 593



S U I C I D E S

CLASSIFIED BY AGE													
METHOD/AGE	0-5	6-10	11-15	16-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	UNK	TOTAL
FIREARM	0	0	2	15	60	46	60	65	49	37	20		354
HANGING/ASPHYXIA	0	1	4	7	27	26	29	14	6	1	1		116
DRUGS/POISONS	0	0	0	5	14	20	21	16	7	3	2		88
CARBON MONOXIDE	0	0	0	0	1	5	5	4	0	1	1	0	17
STAB/INCISED	0	0	0	1	1	1	1	7	0	0	0	0	11
OTHER	0	0	0	1	2	1	2	1	0	0	0	0	7
TOTAL	0	1	6	29	105	99	118	107	62	42	24	0	593

CLASSIFIED BY RACE							
METHOD/RACE	WHITE	BLACK	AM INDIAN	HISPANIC	OTHERS	UNKNOWN	TOTAL
FIREARM	319	16	9	8	2	0	354
HANGING/ASPHYXIA	102	4	5	4	0	1	116
DRUGS/POISONS	78	3	4	2	1	0	88
CARBON MONOXIDE	17	0	0	0	0	0	17
STAB/INCISED	9	1	1	0	0	0	11
OTHER	4	1	1	0	1	0	7
TOTAL	529	25	20	14	4	1	593

S U I C I D E S

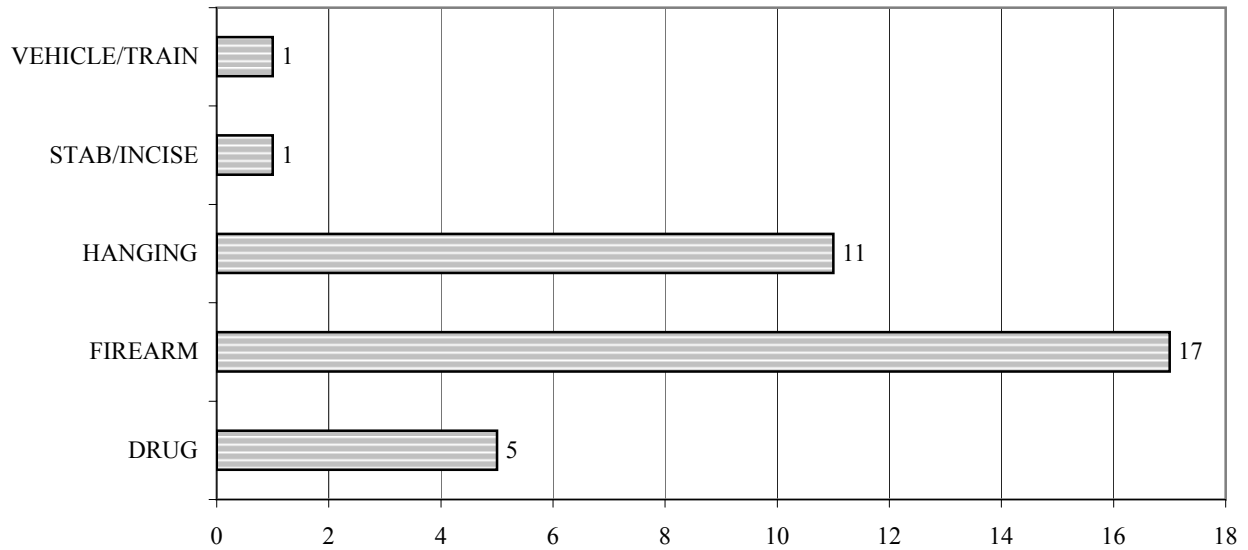
CLASSIFIED BY BLOOD ALCOHOL									
METHOD/ETOH	NO TEST	NEG	0.02 - 0.04	0.05 - 0.09	0.10 - 0.19	0.20 - 0.29	0.30+	TOTAL	
FIREARM	19	225	12	23	42	25	8	354	
HANGING/ASPHYXIA	5	67	9	8	15	10	2	116	
DRUGS/POISONS	4	65	5	5	8	1	0	88	
CARBON MONOXIDE	5	6	2	0	3	0	1	17	
STAB/INCISED	0	8	0	1	1	0	1	11	
OTHER	1	5	0	0	0	1	0	7	
TOTAL	34	376	28	37	69	37	12	593	

CLASSIFIED BY SEX				
METHOD/SEX	MALE	FEMALE	UNKNOWN	TOTAL
FIREARM	308	46	0	354
HANGING/ASPHYXIA	92	24	0	116
DRUGS/POISONS	44	44	0	88
CARBON MONOXIDE	12	5	0	17
STAB/INCISED	10	1	0	11
OTHER	6	1	0	7
TOTAL	472	121	0	593

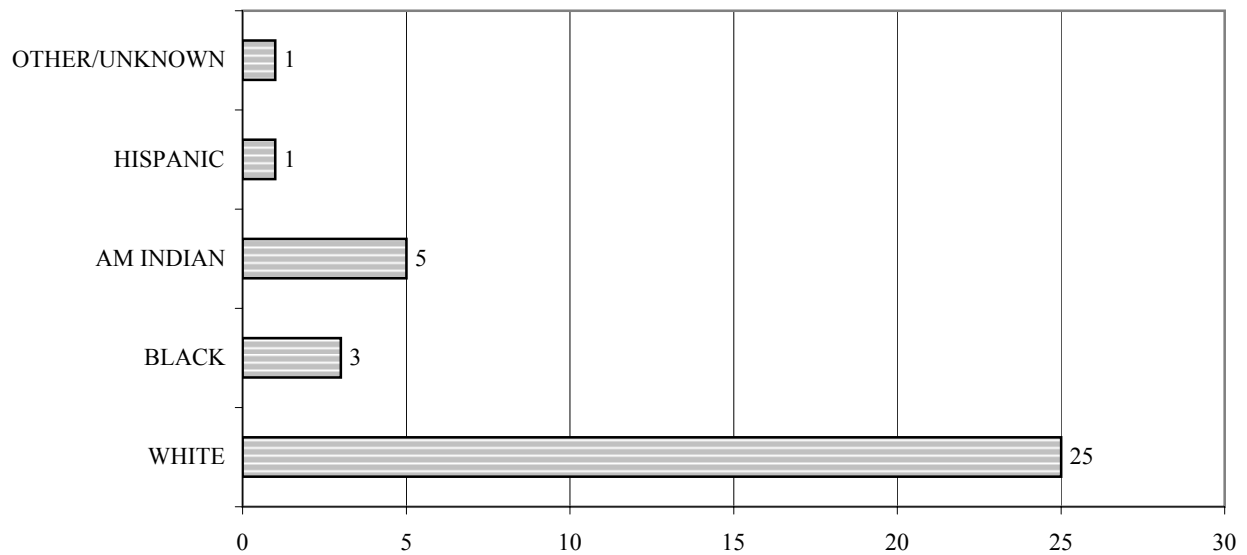
SUICIDE UNDER AGE 20

TOTAL 35

CLASSIFIED BY METHOD



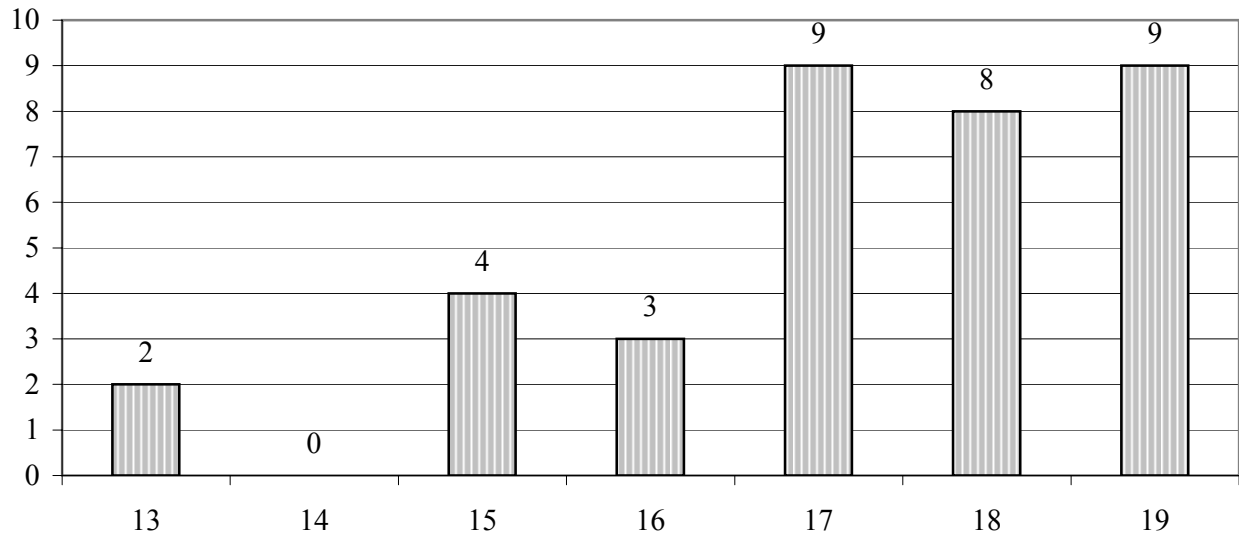
CLASSIFIED BY RACE



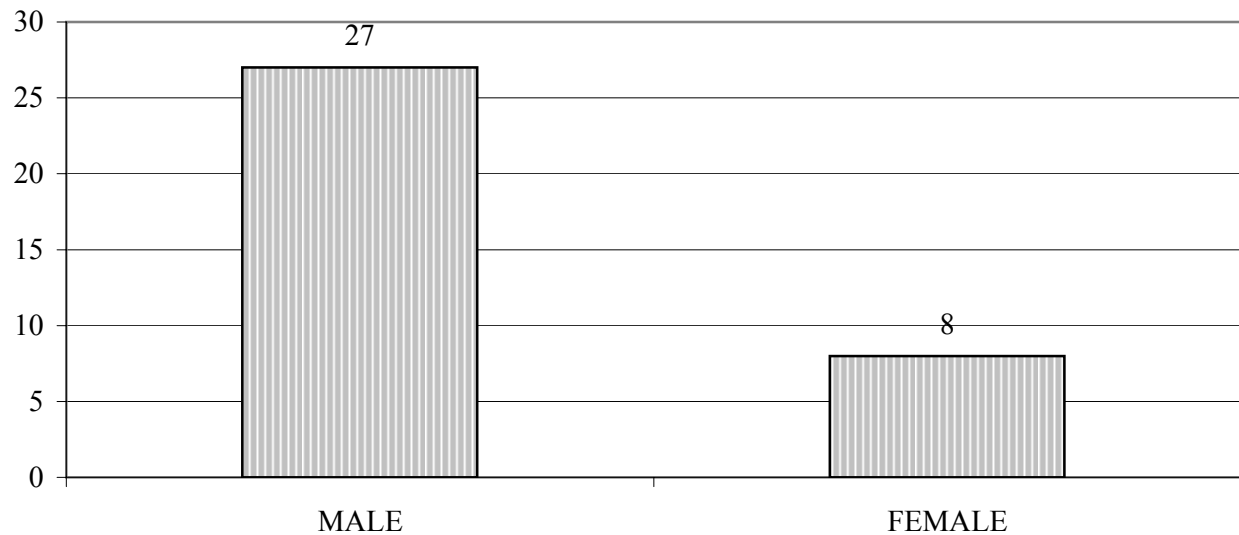
SUICIDE UNDER AGE 20

TOTAL 35

CLASSIFIED BY AGE



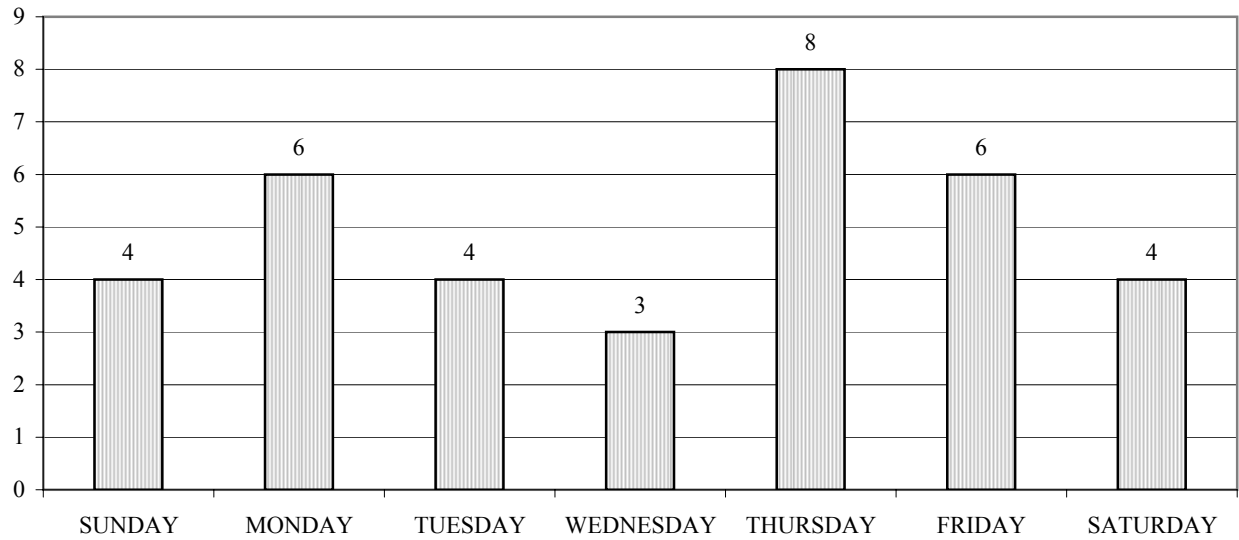
CLASSIFIED BY SEX



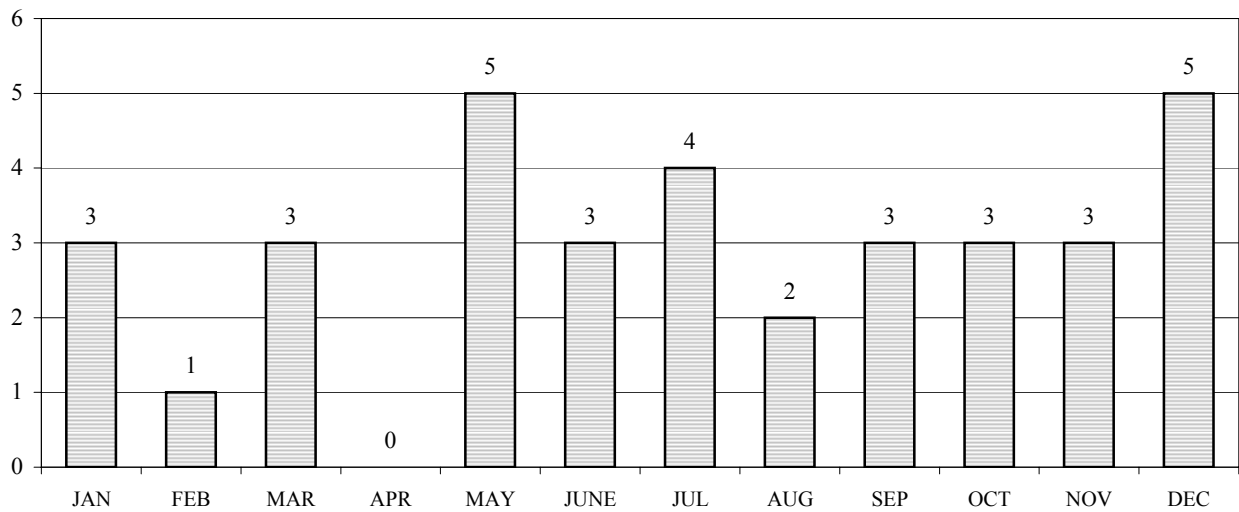
SUICIDE UNDER AGE 20

TOTAL 35

CLASSIFIED BY DAY

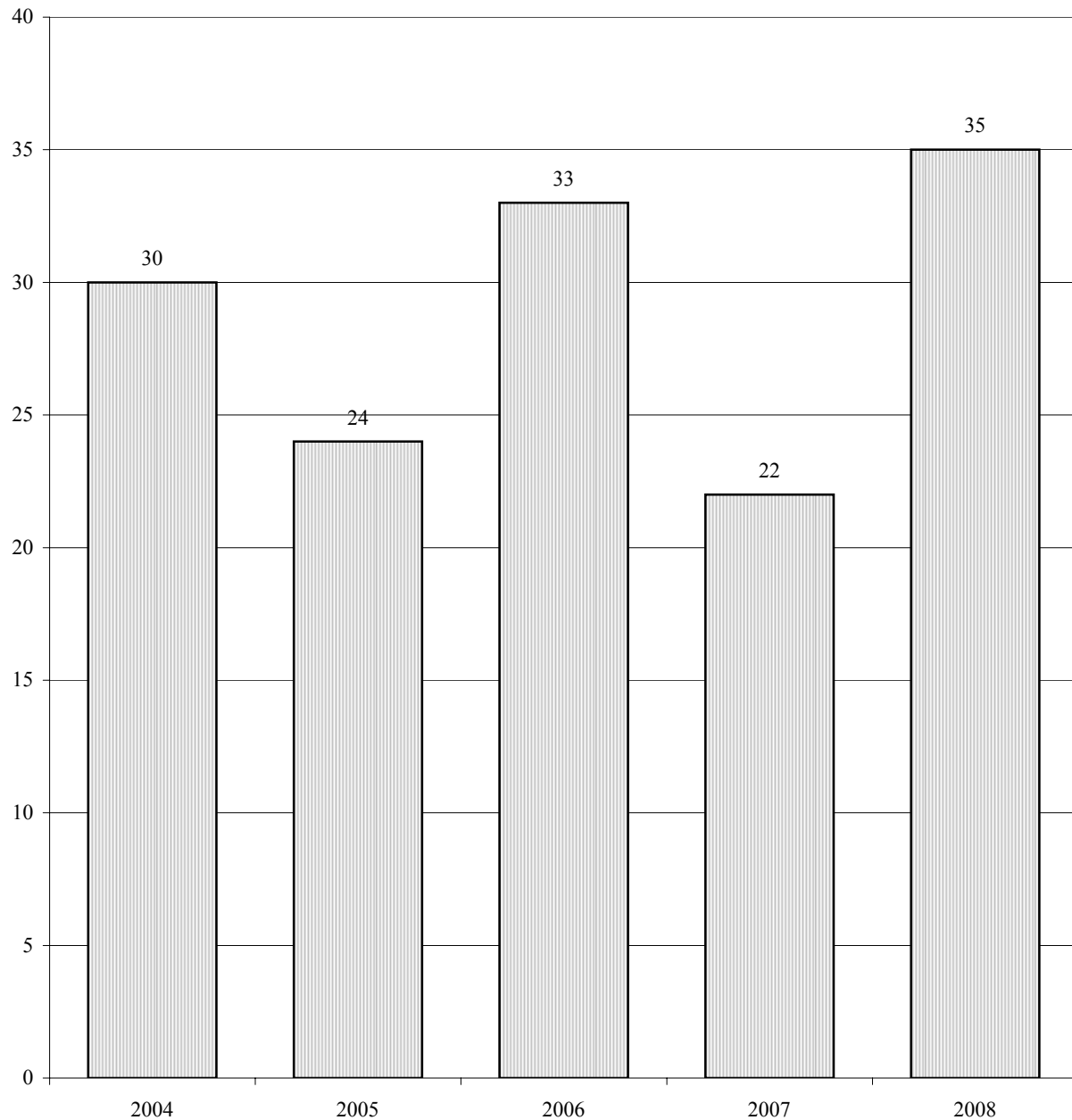


CLASSIFIED BY MONTH



SUICIDE UNDER AGE 20 TOTAL 35

FIVE YEAR COMPARISON



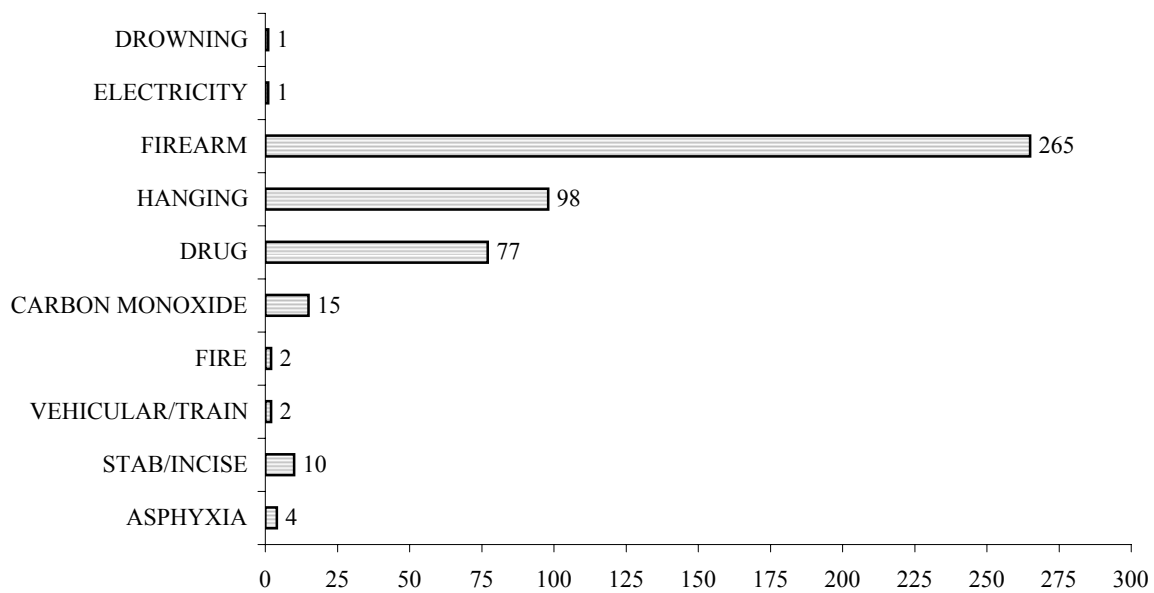
SUICIDE UNDER AGE 20
TOTAL 35
CLASSIFIED BY COUNTY

CANADIAN	1
CHOCTAW	1
CLEVELAND	4
COAL	1
COMANCHE	1
CREEK	2
KAY	1
LOGAN	1
MUSKOGEE	1
OKLAHOMA	7
OKMULGEE	1
OTTAWA	1
PITTSBURG	1
STEPHENS	1
TULSA	8
WAGONER	1
WASHINGTON	2
TOTAL	35

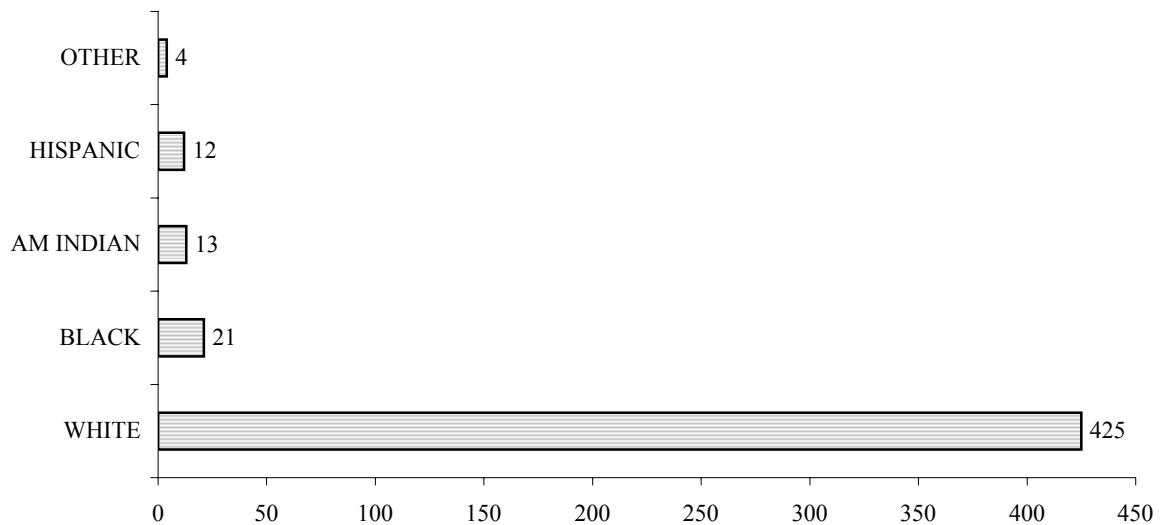
SUICIDE AGES 20 TO 65

TOTAL 475

CLASSIFIED BY METHOD



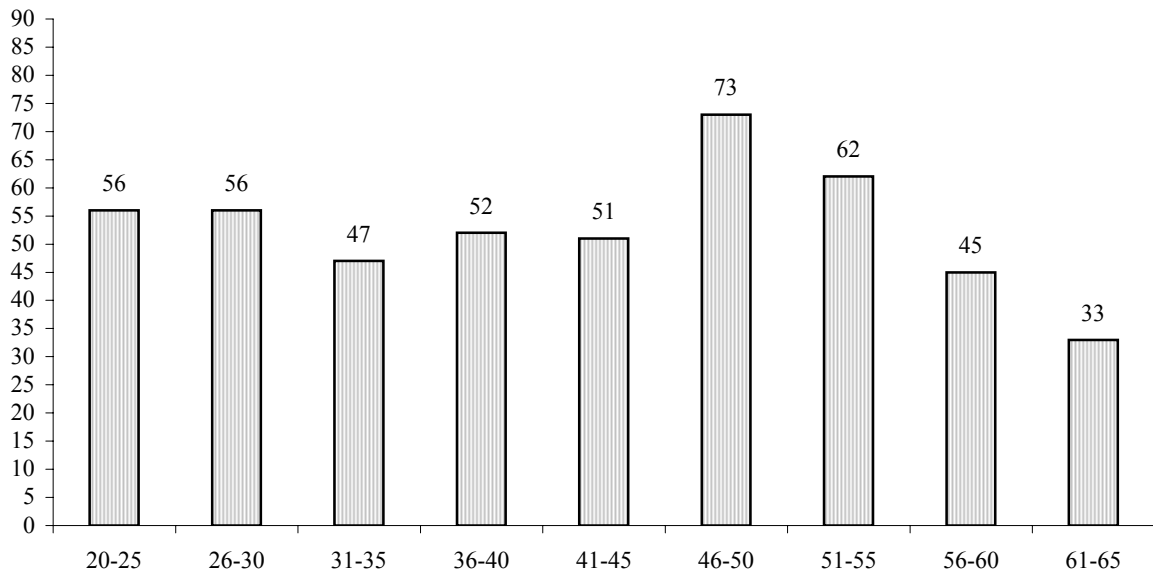
CLASSIFIED BY RACE



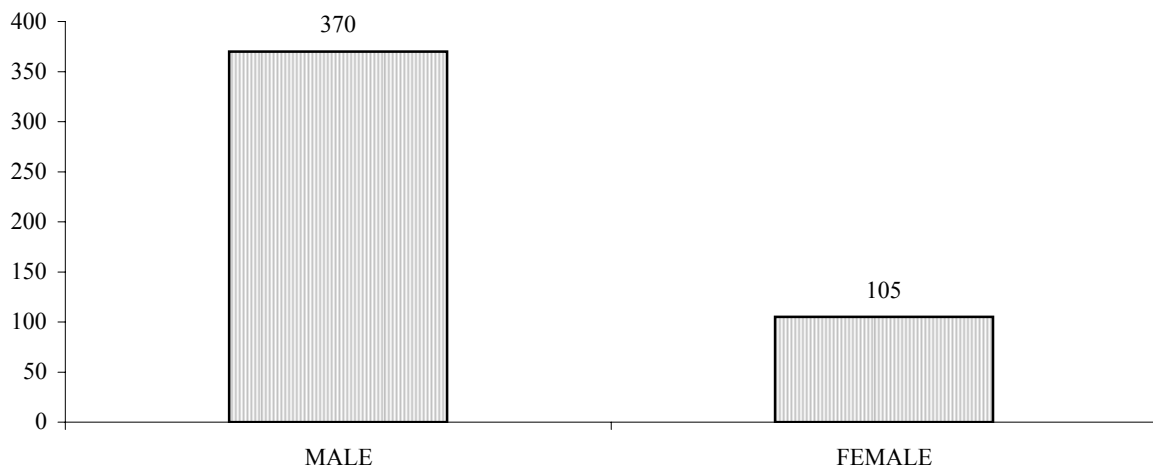
SUICIDE AGES 20 TO 65

TOTAL 475

CLASSIFIED BY AGE



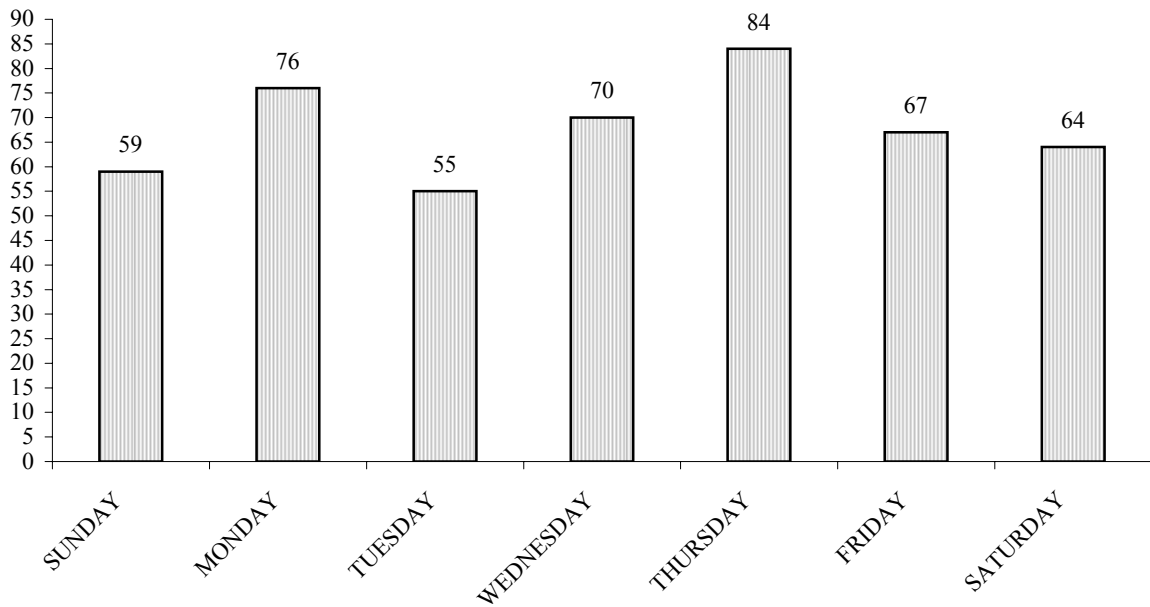
CLASSIFIED BY SEX



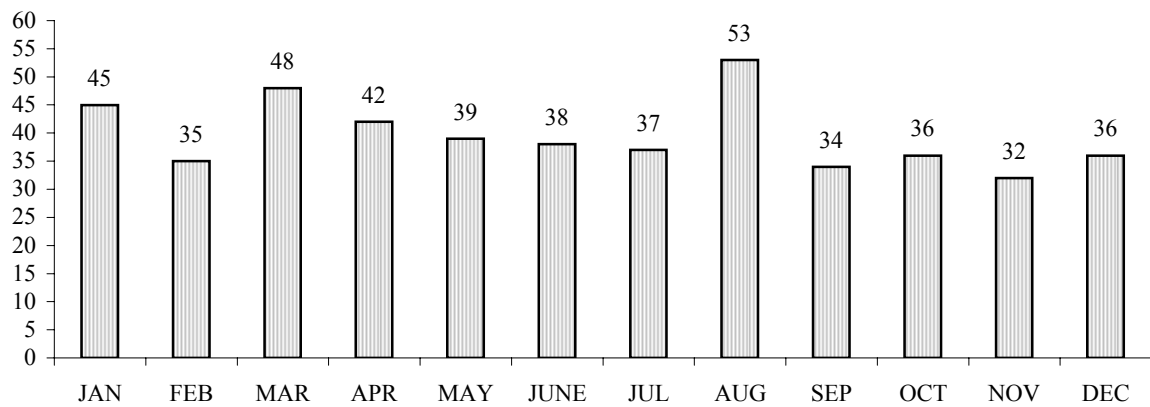
SUICIDE AGES 20 TO 65

TOTAL 475

CLASSIFIED BY DAY OF WEEK

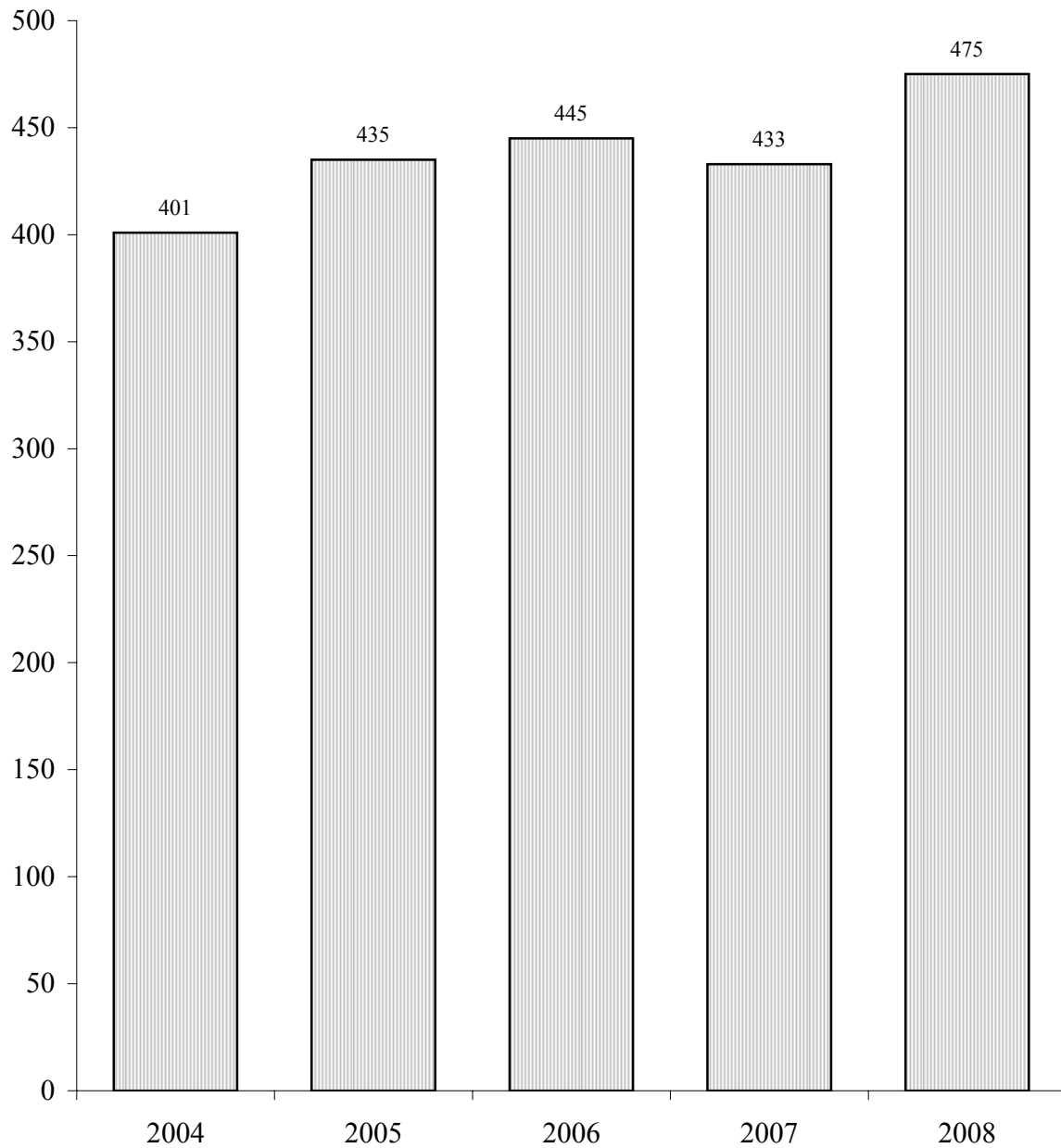


CLASSIFIED BY MONTH



SUICIDE AGES 20 TO 65 TOTAL 475

FIVE YEAR COMPARISON



SUICIDE AGES 20 TO 65

TOTAL 475

CLASSIFIED BY COUNTY

ADAIR	1
ATOKA	1
BECKHAM	4
BLAINE	3
BRYAN	5
CADDO	4
CANADIAN	10
CARTER	3
CHEROKEE	6
CHOCTAW	4
CIMARRON	1
CLEVELAND	19
COAL	3
COMANCHE	10
CRAIG	3
CREEK	10
DELAWARE	4
DEWEY	1
ELLIS	1
GARFIELD	12
GARVIN	4
GRADY	3
HARPER	4
HUGHES	1
JACKSON	2
JOHNSTON	3
KAY	4
KINGFISHER	3
KIOWA	1
LATIMER	2
LEFLORE	13
LINCOLN	8
LOGAN	3
LOVE	1
MAJOR	1
MARSHALL	2
MAYES	8
MCCLAIN	3
MCCURTAIN	5
MCINTOSH	5
MURRAY	1
MUSKOGEE	6
NOBLE	1
OKLAHOMA	90
OKMULGEE	4
OSAGE	5
OTTAWA	3

SUICIDE AGES 20 TO 65

TOTAL 475

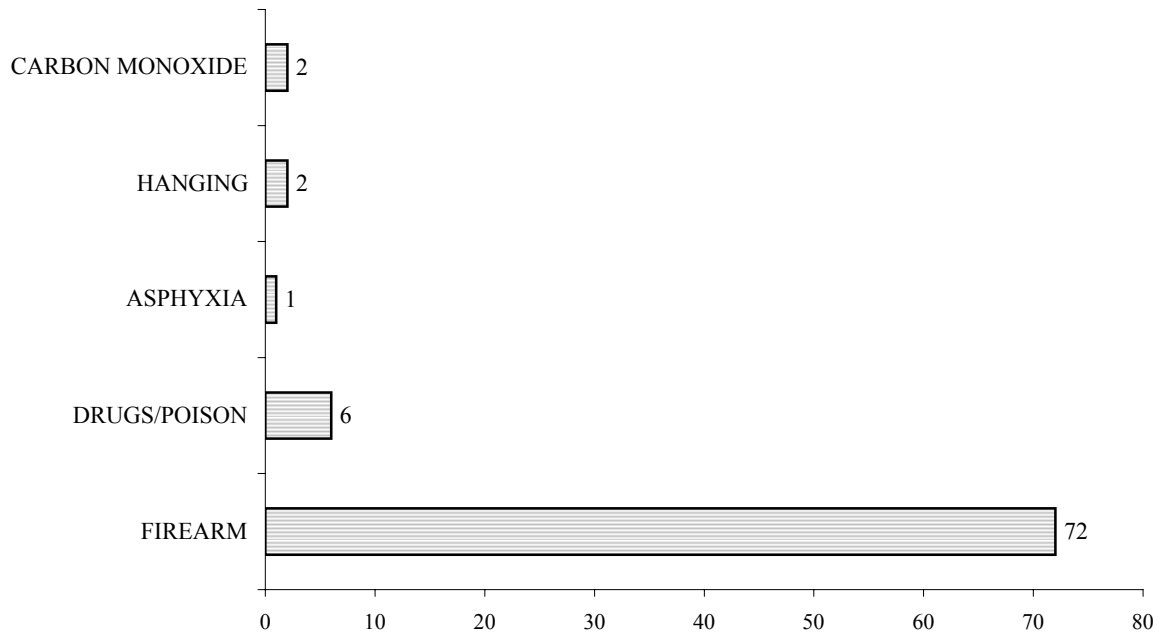
CLASSIFIED BY COUNTY

PAWNEE	2
PAYNE	8
PITTSBURG	11
PONTOTOC	2
POTTAWATOMIE	9
PUSHMATAHA	5
ROGER MILLS	1
ROGERS	10
SEMINOLE	1
SEQUOYAH	3
STEPHENS	6
TEXAS	4
TILLMAN	1
TULSA	95
WAGONER	17
WASHINGTON	4
WASHITA	2
WOODS	1
WOODWARD	2
TOTAL	475

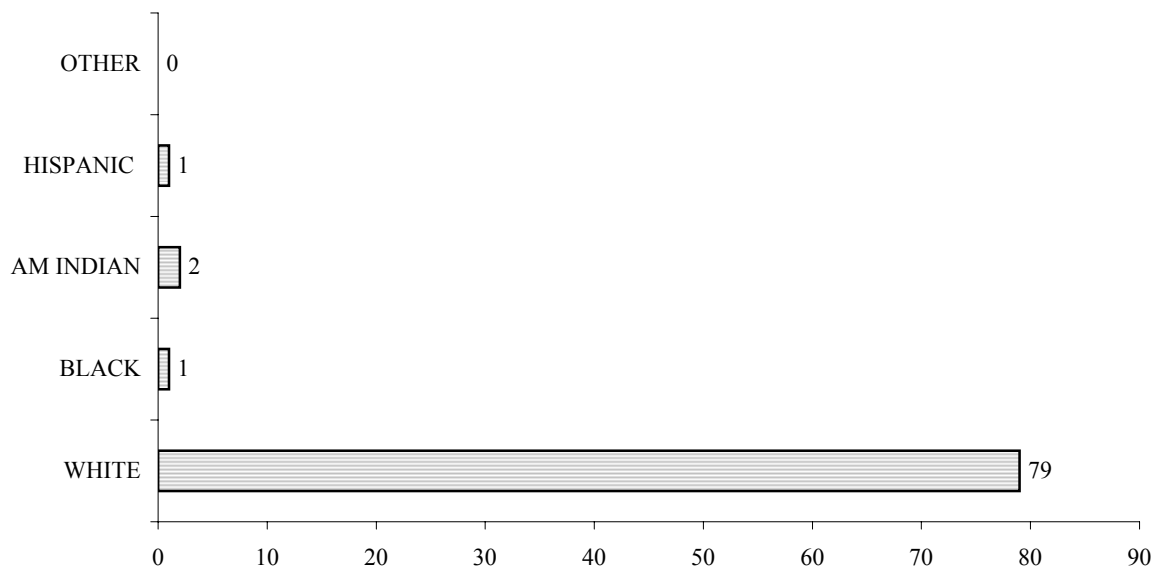
SUICIDE OVER AGE 65

TOTAL 83

CLASSIFIED BY METHOD



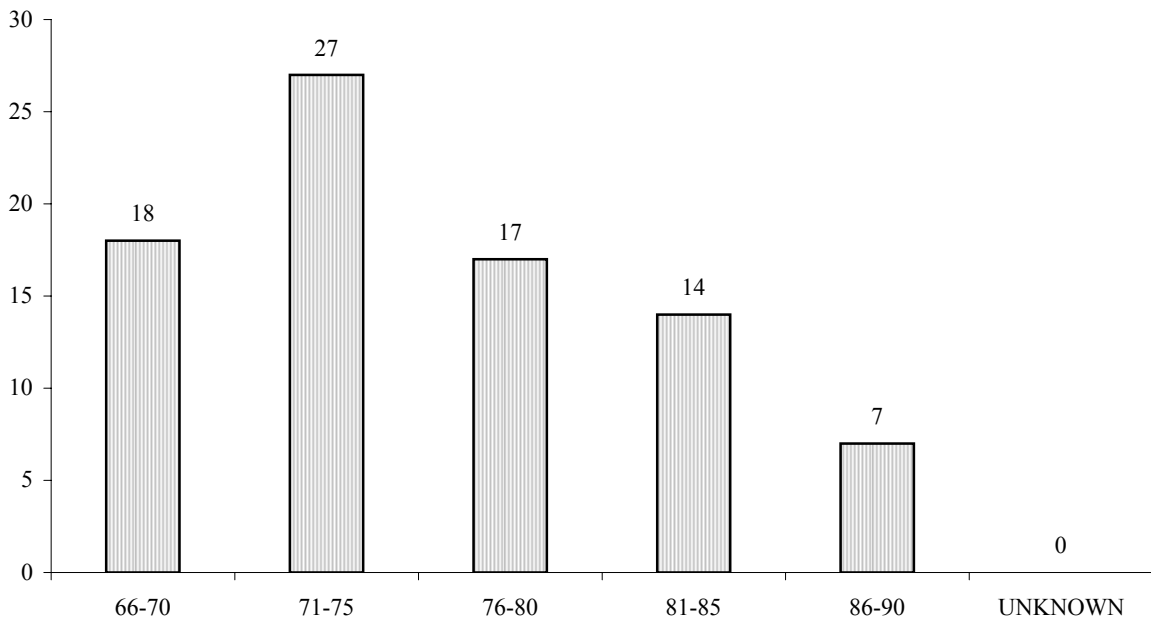
CLASSIFIED BY RACE



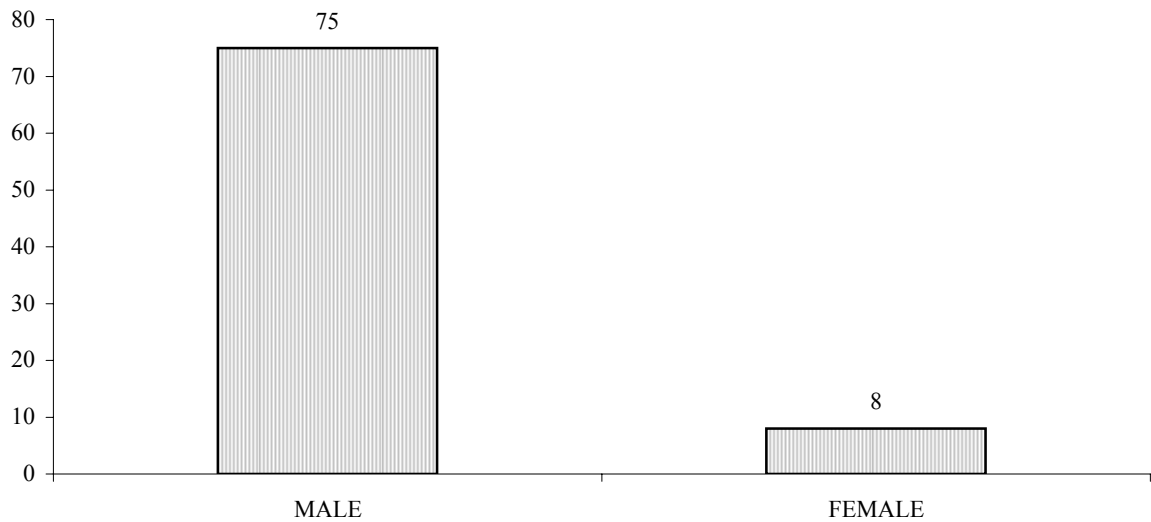
SUICIDE OVER AGE 65

TOTAL 83

CLASSIFIED BY AGE



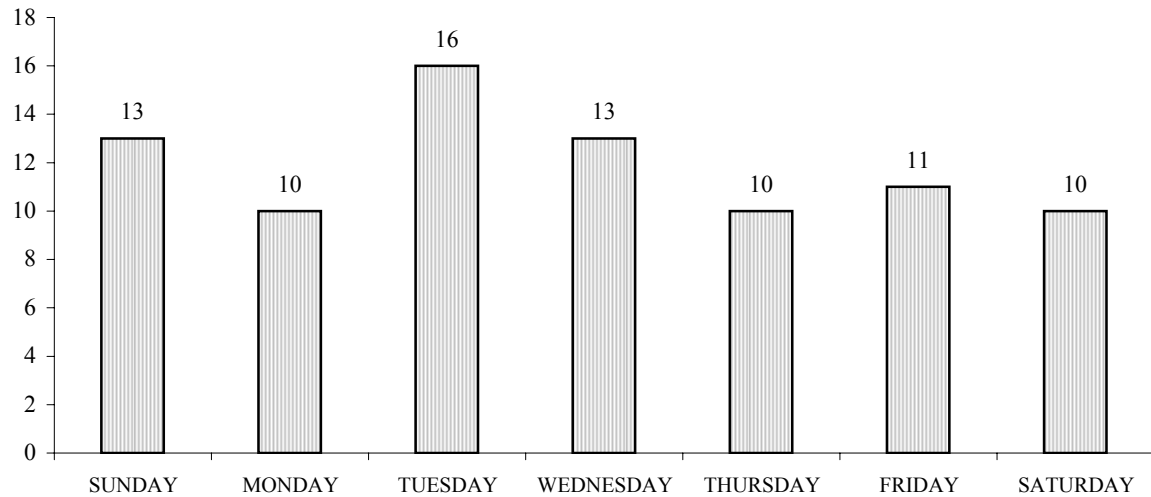
CLASSIFIED BY SEX



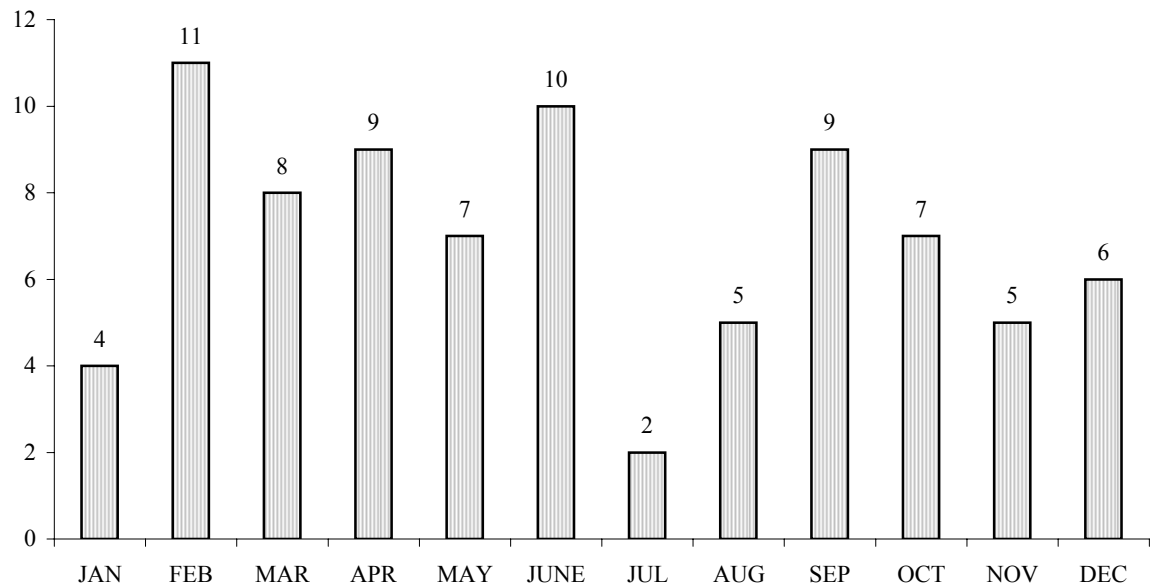
SUICIDE OVER AGE 65

TOTAL 83

CLASSIFIED BY DAY

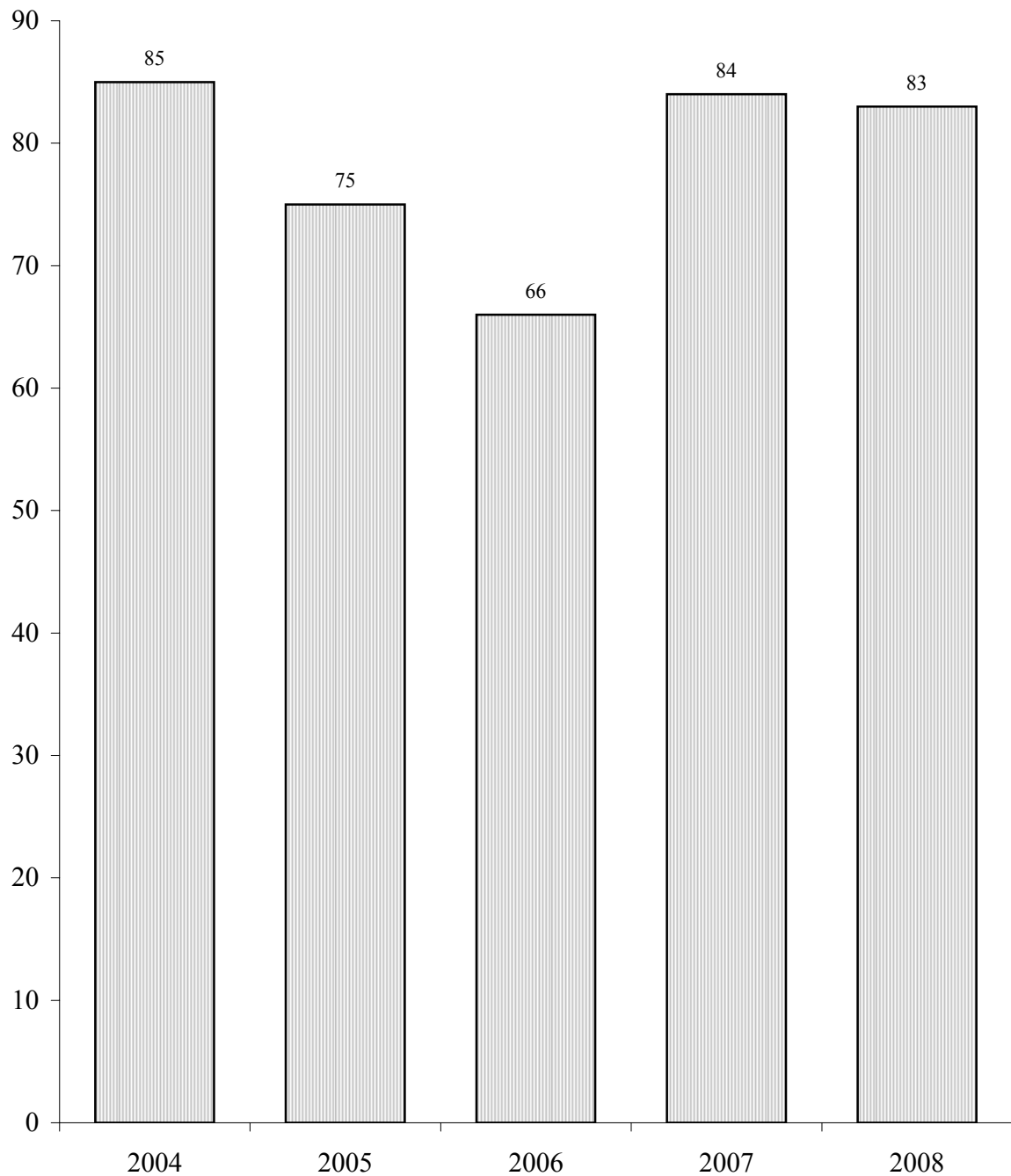


CLASSIFIED BY MONTH



SUICIDE OVER AGE 65 TOTAL 83

FIVE YEAR COMPARISON



SUICIDE OVER AGE 65

TOTAL 83

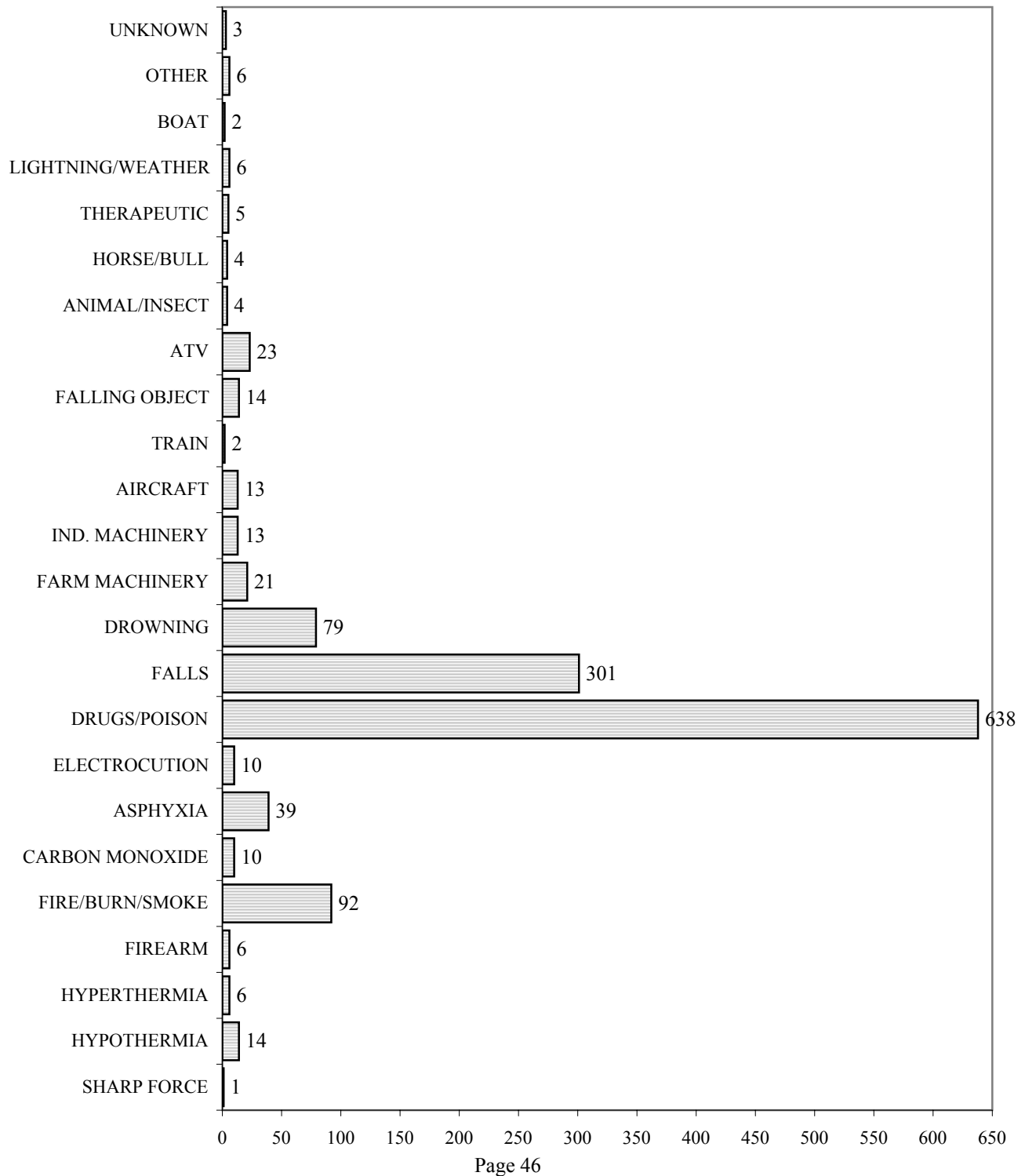
CLASSIFIED BY COUNTY

BEAVER	1
BECKHAM	1
CANADIAN	2
CHEROKEE	2
CLEVELAND	8
COMANCHE	1
CRAIG	1
CREEK	1
DELAWARE	2
GARFIELD	2
HARPER	1
JOHNSTON	1
KAY	2
KIOWA	1
LEFLORE	1
LOGAN	2
MCCURTAIN	1
MUSKOGEE	3
OKLAHOMA	8
OSAGE	3
OTTAWA	2
PAWNEE	1
PAYNE	1
PITTSBURG	4
PONTOTOC	1
ROGERS	3
SEQUOYAH	2
STEPHENS	2
TEXAS	1
TULSA	18
WAGONER	1
WASHINGTON	2
WOODWARD	1
TOTAL	83

ACCIDENTAL DEATHS

TOTAL 1312

(EXCLUDING TRAFFIC)



A C C I D E N T S

CLASSIFIED BY AGE													
MANNER/AGE	0-5	6-10	11-15	16-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	UNK	TOTAL
THERAPEUTIC	0	0	0	1	0	1	0	1	2	0	0	0	5
DROWNING	10	3	4	10	16	7	7	7	7	6	2	0	79
FARM MACHINERY	1	0	0	0	3	1	3	3	2	3	5	0	21
INDUSTRIAL MACHINERY	0	0	0	0	3	2	3	3	1	1	0	0	13
FALLING OBJECT	2	0	0	0	2	2	4	0	2	2	0	0	14
ATV/MOTORCYCLE	1	1	0	2	8	3	1	5	2	0	0	0	23
TRAIN	0	0	0	0	1	0	0	1	0	0	0	0	2
HORSE/BULL	0	0	0	1	0	0	0	2	1	0	0	0	4
BOAT	0	0	0	0	1	1	0	0	0	0	0	0	2
AIRCRAFT	0	0	0	0	1	1	3	6	1	1	0	0	13
ANIMAL/INSECT	1	0	0	0	0	1	2	0	0	0	0	0	4
LIGHTING/WEATHER	0	0	0	1	2	1	1	0	0	0	1	0	6
FIREARM	1	0	0	0	0	1	2	1	1	0	0	0	6
ASPHYXIA	14	3	0	1	1	4	3	4	3	3	3	0	39
FIRE/SMOKE	4	3	1	0	7	6	20	17	10	11	13	0	92
CARBON MONOXIDE	0	0	0	0	0	1	3	2	1	0	3	0	10
ELECTROCUTION	0	0	1	0	2	6	1	0	0	0	0	0	10
FALLS	0	0	0	0	2	2	16	20	32	65	164	0	301
HYPERTHERMIA	0	0	0	0	1	0	0	3	0	2	0	0	6
HYPOTHERMIA	0	0	0	0	0	1	3	4	3	2	1	0	14
DRUGS/POISONS	0	1	0	21	101	127	208	150	22	5	2	1	638
SHARP/FORCE	0	0	0	0	0	0	0	1	0	0	0	0	1
OTHER	0	0	0	1	1	1	1	0	1	0	1	0	6
UNKNOWN	0	0	0	0	0	0	2	1	0	0	0	0	3
TOTAL	34	11	6	38	152	169	283	231	91	101	195	1	1312

ACCIDENTS

CLASSIFIED BY RACE							
METHOD/RACE	WHITE	BLACK	AM INDIAN	HISPANIC	OTHERS	UNKNOWN	TOTAL
THERAPEUTIC	4	1	0	0	0	0	5
DROWNING	54	11	5	7	1	1	79
FARM MACHINERY	19	0	0	2	0	0	21
INDUSTRIAL MACHINERY	10	0	0	3	0	0	13
FALLING OBJECT	10	1	0	3	0	0	14
ATV/MOTORCYCLE	22	0	1	0	0	0	23
TRAIN	0	1	1	0	0	0	2
HORSE/BULL	4	0	0	0	0	0	4
BOAT	1	0	0	1	0	0	2
AIRCRAFT	12	0	0	1	0	0	13
ANIMAL/INSECT	4	0	0	0	0	0	4
LIGHTING/WEATHER	5	0	0	0	1	0	6
FIREARM	4	1	0	1	0	0	6
ASPHYXIA	28	5	3	3	0	0	39
FIRE/SMOKE	74	6	4	8	0	0	92
CARBON MONOXIDE	7	2	1	0	0	0	10
ELECTROCUTION	8	0	1	1	0	0	10
FALLS	278	6	9	3	5	0	301
HYPERTHERMIA	5	0	1	0	0	0	6
HYPOTHERMIA	7	4	3	0	0	0	14
DRUGS/POISONS	559	25	40	11	2	1	638
SHARP/FORCE	1	0	0	0	0	0	1
OTHER	5	0	0	1	0	0	6
UNKNOWN	2	1	0	0	0	0	3
TOTAL	1123	64	69	45	9	2	1312

A C C I D E N T S

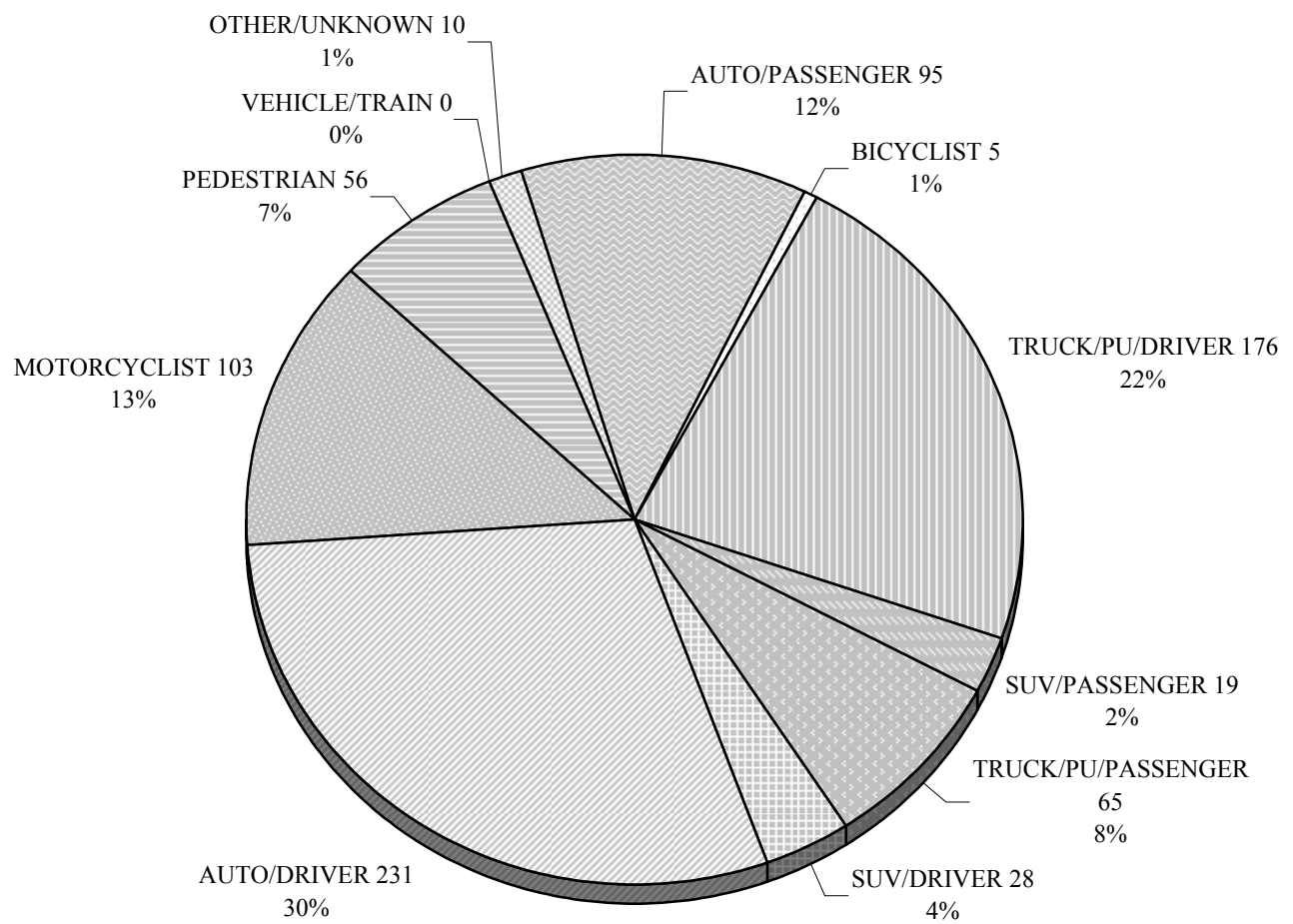
CLASSIFIED BY SEX				
METHOD/SEX	MALE	FEMALE	UNKNOWN	TOTAL
THERAPEUTIC	4	1	0	5
DROWNING	63	16	0	79
FARM MACHINERY	20	1	0	21
INDUSTRIAL MACHINERY	13	0	0	13
FALLING OBJECT	12	2	0	14
ATV/MOTORCYCLE	22	1	0	23
TRAIN	2	0	0	2
HORSE/BULL	3	1	0	4
BOAT	2	0	0	2
AIRCRAFT	13	0	0	13
ANIMAL/INSECT	3	1	0	4
LIGHTING/WEATHER	2	4	0	6
FIREARM	5	1	0	6
ASPHYXIA	29	10	0	39
FIRE/SMOKE	69	23	0	92
CARBON MONOXIDE	5	5	0	10
ELECTROCUTION	10	0	0	10
FALLS	149	152	0	301
HYPERTHERMIA	5	1	0	6
HYPOTHERMIA	10	4	0	14
DRUGS/POISONS	391	247	0	638
SHARP/FORCE	0	1	0	1
OTHER	4	2	0	6
UNKNOWN	2	1	0	3
TOTAL	838	474	0	1312

A C C I D E N T S

CLASSIFIED BY BLOOD ALCOHOL									
METHOD/ETOH	NO	TEST	NEG	0.02 - 0.04	0.05 - 0.09	0.10 - 0.19	0.20 - 0.29	0.30+	TOTAL
THERAPEUTIC	3	2	0	0	0	0	0	0	5
DROWNING	7	39	3	3	15	9	3	79	
FARM MACHINERY	3	15	2	0	0	0	1	21	
INDUSTRIAL MACHINERY	1	12	0	0	0	0	0	13	
FALLING OBJECT	0	13	0	1	0	0	0	14	
ATV/MOTORCYCLE	3	8	1	0	7	4	0	23	
TRAIN	0	2	0	0	0	0	0	2	
HORSE/BULL	2	2	0	0	0	0	0	4	
BOAT	1	1	0	0	0	0	0	2	
AIRCRAFT	5	8	0	0	0	0	0	13	
ANIMAL/INSECT	0	4	0	0	0	0	0	4	
LIGHTING/WEATHER	0	5	1	0	0	0	0	6	
FIREARM	2	3	0	0	1	0	0	6	
ASPHYXIA	8	25	0	0	4	1	1	39	
FIRE/SMOKE	32	39	2	2	12	3	2	92	
CARBON MONOXIDE	3	6	0	1	0	0	0	10	
ELECTROCUTION	0	9	1	0	0	0	0	10	
FALLS	186	100	3	3	6	0	3	301	
HYPERTHERMIA	0	6	0	0	0	0	0	6	
HYPOTHERMIA	0	8	0	2	1	3	0	14	
DRUGS/POISONS	21	477	29	23	31	14	43	638	
SHARP/FORCE	0	0	0	0	0	0	1	1	
OTHER	4	1	0	0	1	0	0	6	
UNKNOWN	0	3	0	0	0	0	0	3	
TOTAL	281	788	42	35	78	34	54	1312	

TRAFFIC DEATHS

TOTAL 788



T R A F F I C

CLASSIFIED BY AGE													
MANNER/AGE	0-5	6-10	11-15	16-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	UNK	TOTAL
BICYCLIST	0	0	1	0	2	1	0	0	1	0	0	0	5
VEHICLE/TRAIN	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIAN	5	0	1	5	9	9	12	9	3	3	0	0	56
MOTORCYCLIST	0	0	2	5	24	17	16	27	11	1	0	0	103
TRUCK/PU/PASS	2	0	7	9	14	9	10	3	6	1	4	0	65
TRUCK/PU/DRIVER	0	0	0	19	39	27	28	32	15	10	6	0	176
AUTO/PASSENGER	5	2	12	13	20	8	13	7	2	8	5	0	95
AUTO/DRIVER	0	0	1	30	48	26	40	26	21	20	19	0	231
SUV/PASSENGER	1	0	2	6	5	1	2	1	0	1	0	0	19
SUV/DRIVER	0	0	0	2	6	5	3	6	3	2	1	0	28
OTHER/UNKNOWN	0	0	0	1	2	1	1	2	2	1	0	0	10
TOTAL	13	2	26	90	169	104	125	113	64	47	35	0	788

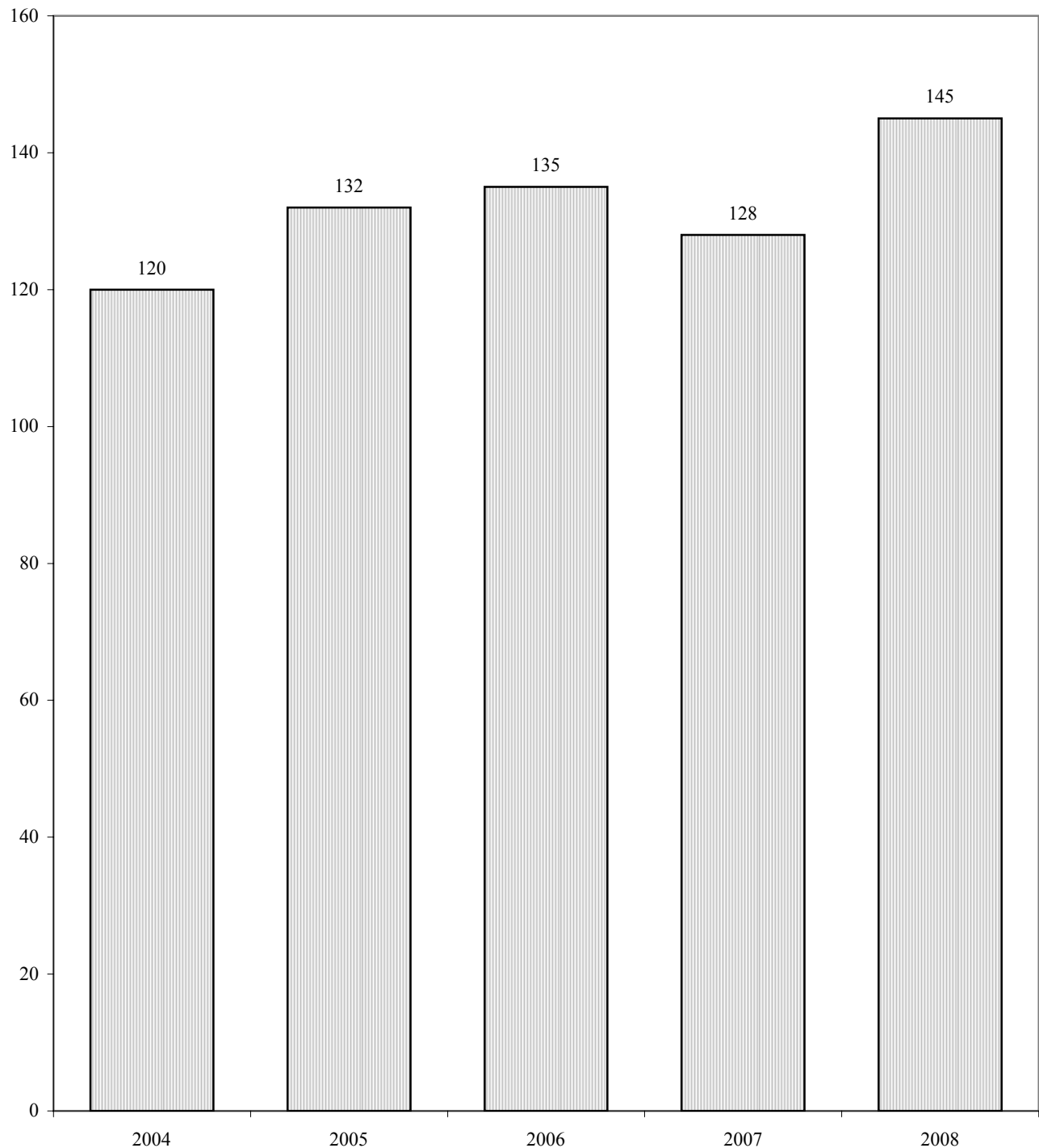
CLASSIFIED BY RACE							
METHOD/RACE	WHITE	BLACK	AM INDIAN	HISPANIC	OTHERS	UNKNOWN	TOTAL
BICYCLIST	5	0	0	0	0	0	5
VEHICLE/TRAIN	0	0	0	0	0	0	0
PEDESTRIAN	40	7	6	3	0	0	56
MOTORCYCLIST	93	5	3	1	1	0	103
TRUCK/PU/PASS	43	3	13	5	1	0	65
TRUCK/PU/DRIVER	150	6	9	11	0	0	176
AUTO/PASSENGER	70	4	7	10	3	1	95
AUTO/DRIVER	192	13	14	7	5	0	231
SUV/PASSENGER	10	2	3	4	0	0	19
SUV/DRIVER	22	0	4	1	1	0	28
OTHER/UNKNOWN	10	0	0	0	0	0	10
TOTAL	635	40	59	42	11	1	788

T R A F F I C

CLASSIFIED BY BLOOD ALCOHOL								
METHOD/ETOH	NO TEST	NEG	0.02 - 0.04	0.05 - 0.09	0.10 - 0.19	0.20 - 0.29	0.30+	TOTAL
BICYCLIST	0	5	0	0	0	0	0	5
VEHICLE/TRAIN	0	0	0	0	0	0	0	0
PEDESTRIAN	6	28	1	3	8	10	0	56
MOTORCYCLIST	16	59	0	3	18	6	1	103
TRUCK/PU/PASS	48	12	0	0	2	2	1	65
TRUCK/PU/DRIVER	10	109	2	5	26	24	0	176
AUTO/PASSENGER	75	15	0	1	2	2	0	95
AUTO/DRIVER	19	142	4	7	27	26	6	231
SUV/PASSENGER	12	5	0	0	1	1	0	19
SUV/DRIVER	3	17	1	0	1	4	2	28
OTHER/UNKNOWN	3	4	1	1	1	0	0	10
TOTAL	192	396	9	20	86	75	10	788

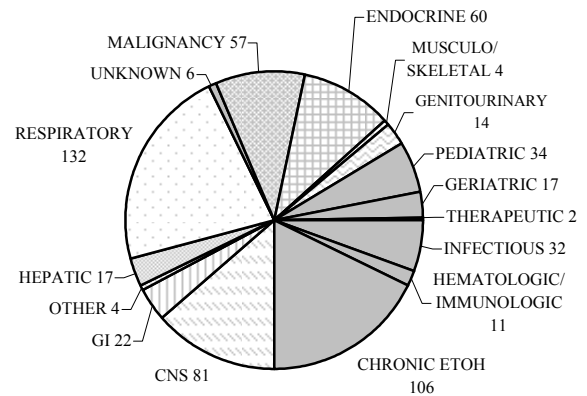
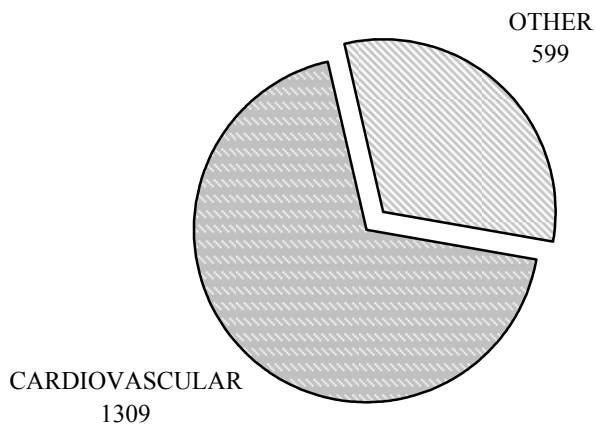
CLASSIFIED BY SEX				
METHOD/SEX	MALE	FEMALE	UNKNOWN	TOTAL
BICYCLIST	3	2	0	5
VEHICLE/TRAIN	0	0	0	0
PEDESTRIAN	38	18	0	56
MOTORCYCLIST	95	8	0	103
TRUCK/PU/PASS	38	27	0	65
TRUCK/PU/DRIVER	151	25	0	176
AUTO/PASSENGER	45	50	0	95
AUTO/DRIVER	151	80	0	231
SUV/PASSENGER	12	7	0	19
SUV/DRIVER	15	13	0	28
OTHER/UNKNOWN	6	4	0	10
TOTAL	554	234	0	788

TRAFFIC - DRIVER ALCOHOL GREATER THAN 0.08% W/V FIVE YEAR COMPARISON



NATURAL DEATHS

TOTAL 1908



Deaths that are classified as natural are those that occur in conformity with the ordinary course of nature. They generally come under the jurisdiction of the medical examiner because they are sudden and unexpected, often in individuals who are not being followed for any known potentially lethal disease. Some come to the attention of the medical examiner because circumstances surrounding the death arouse suspicion. In 2008, 1908 deaths were certified by the medical examiner as attributable to natural causes. Of these, 1309 (69%) were attributed to cardiovascular disease.

N A T U R A L S

CLASSIFIED BY AGE													
MANNER/AGE	0-5	6-10	11-15	16-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	UNK	TOTAL
CARDIOVASCULAR	7	1	0	3	17	53	248	376	278	166	160	0	1309
RESPIRATORY	3	1	3	0	7	18	17	24	25	25	9	0	132
CNS	5	2	3	2	5	12	14	14	7	7	10	0	81
MALIGNANCY	0	0	0	1	1	2	7	11	19	9	7	0	57
HEPATIC	0	0	0	0	0	0	5	11	1	0	0	0	17
ENDOCRINE	0	1	0	2	2	9	15	18	6	4	3	0	60
GASTROINTESTINAL CHRONIC	1	0	0	0	3	1	4	7	6	0	0	0	22
ETHANOLISM	0	0	0	0	2	9	30	44	17	4	0	0	106
MUSCULOSKELETAL	0	0	0	0	1	1	1	0	0	0	1	0	4
GENITOURINARY	0	0	0	0	1	1	3	3	1	2	3	0	14
PEDIATRIC	34	0	0	0	0	0	0	0	0	0	0	0	34
GERIATRIC	0	0	0	0	0	0	0	0	1	2	14	0	17
THERAPEUTIC	0	0	0	0	0	0	1	0	0	1	0	0	2
INFECTIOUS HEMATOLOGIC/ IMMUNOLOGIC	3	0	0	1	1	2	5	7	3	6	4	0	32
	0	1	0	1	3	3	1	1	1	0	0	0	11
OTHER	1	0	0	0	0	1	0	0	1	0	1	0	4
UNDETERMINED	0	0	0	0	1	1	0	1	2	0	1	0	6
TOTAL	54	6	6	10	44	113	351	517	368	226	213	0	1908

N A T U R A L S

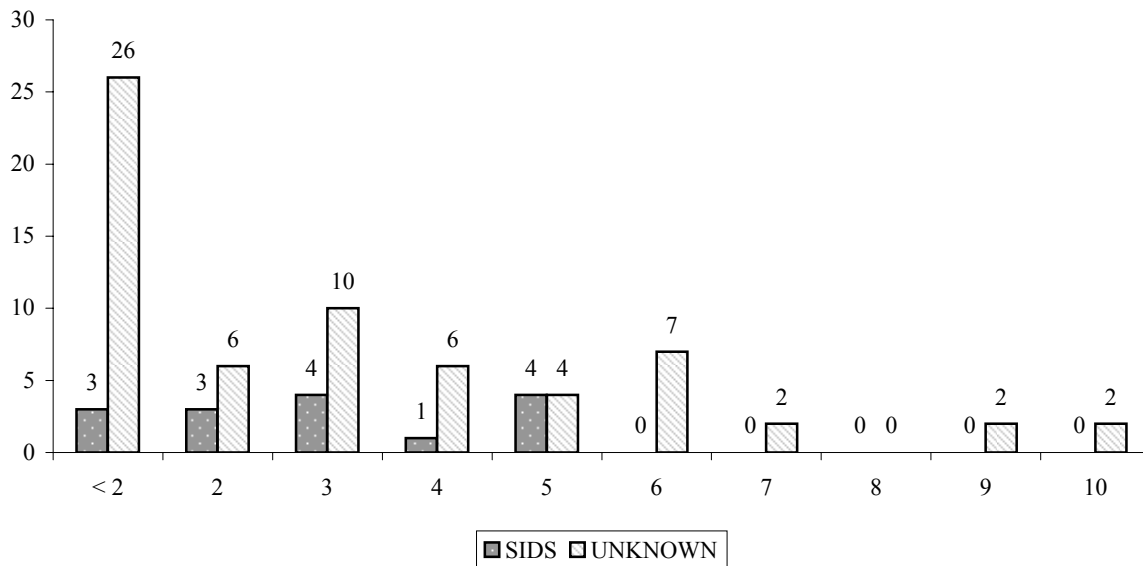
CLASSIFIED BY RACE							
METHOD/RACE	WHITE	BLACK	AM INDIAN	HISPANIC	OTHERS	UNKNOWN	TOTAL
CARDIOVASCULAR	1085	122	63	30	9	0	1309
RESPIRATORY	110	10	9	2	1	0	132
CNS	62	14	3	0	2	0	81
MALIGNANCY	49	6	0	0	2	0	57
HEPATIC	15	1	1	0	0	0	17
ENDOCRINE	50	5	2	2	1	0	60
GASTROINTESTINAL	19	1	2	0	0	0	22
CHRONIC ETHANOLISM	81	5	15	4	1	0	106
MUSCULOSKELETAL	3	1	0	0	0	0	4
GENITOURINARY	6	6	2	0	0	0	14
PEDIATRIC	28	3	1	2	0	0	34
GERIATRIC	17	0	0	0	0	0	17
THERAPEUTIC	2	0	0	0	0	0	2
INFECTIOUS	26	4	0	2	0	0	32
HEMATOLOGIC/ IMMUNOLOGIC	6	4	1	0	0	0	11
OTHER	3	0	0	1	0	0	4
UNDETERMINED	3	1	1	1	0	0	6
TOTAL	1565	183	100	44	16	0	1908

N A T U R A L S

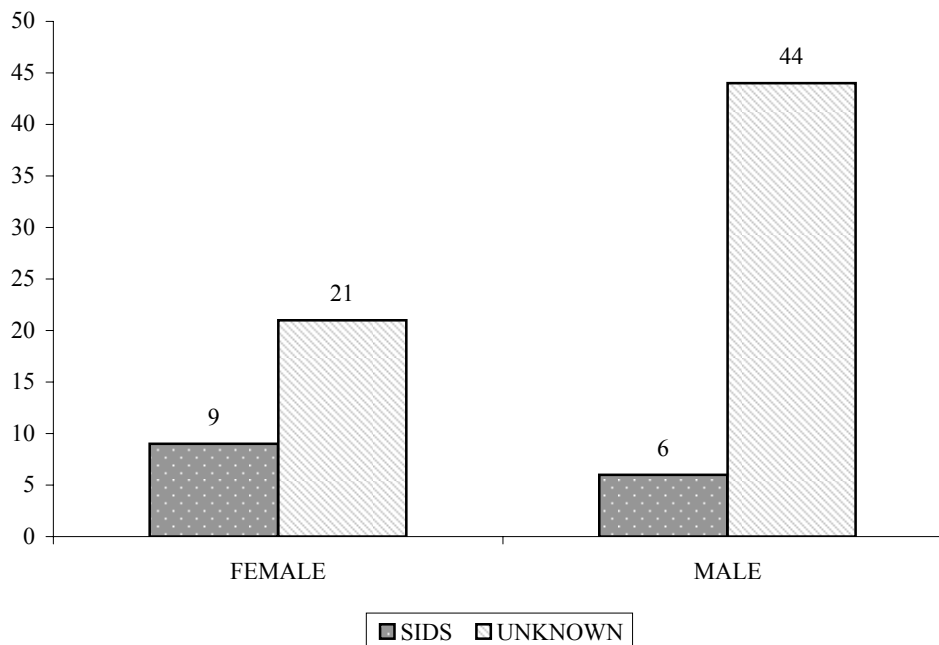
CLASSIFIED BY SEX				
METHOD/SEX	MALE	FEMALE	UNKNOWN	TOTAL
CARDIOVASCULAR	919	390	0	1309
RESPIRATORY	75	57	0	132
CNS	42	39	0	81
MALIGNANCY	38	19	0	57
HEPATIC	14	3	0	17
ENDOCRINE	37	23	0	60
GASTROINTESTINAL	11	11	0	22
CHRONIC				
ETHANOLISM	75	31	0	106
MUSCULOSKELETAL	4	0	0	4
GENITOURINARY	6	8	0	14
PEDIATRIC	17	17	0	34
GERIATRIC	5	12	0	17
THERAPEUTIC	0	2	0	2
INFECTIOUS	20	12	0	32
HEMATOLOGIC/				
IMMUNOLOGIC	6	5	0	11
OTHER	3	1	0	4
UNDETERMINED	3	3	0	6
				0
TOTAL	1275	633	0	1908

COMPARISON SIDS (15) vs UNKNOWN (65) DEATHS AGES LESS THAN 1 YEAR

CLASSIFIED BY AGE



CLASSIFIED BY SEX

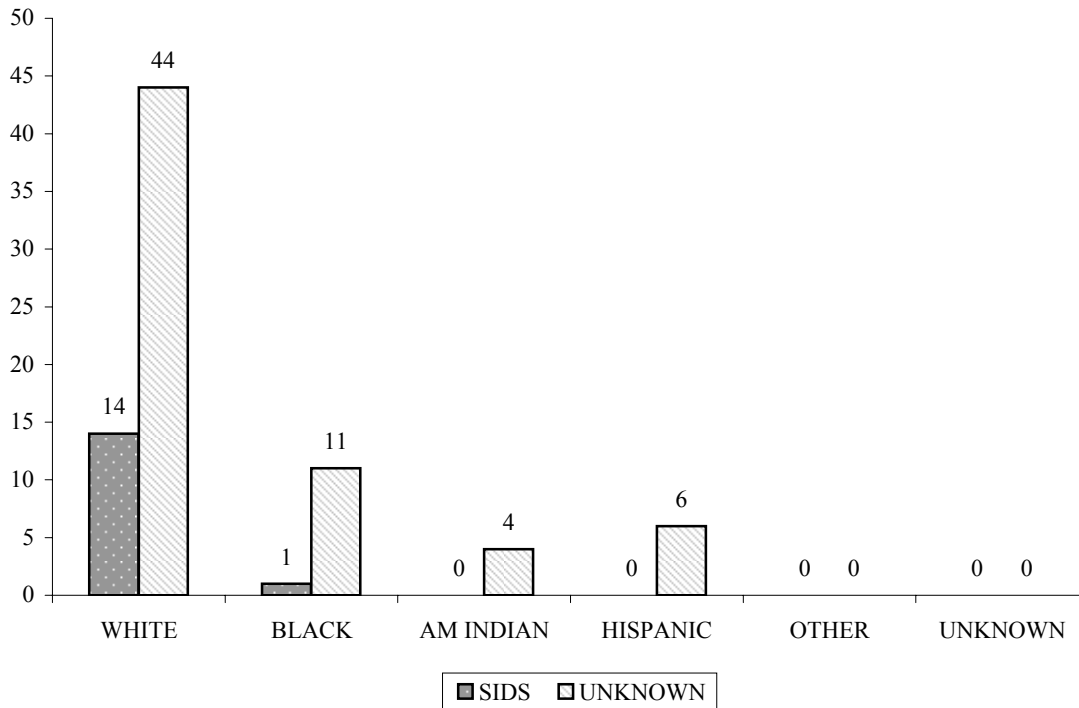


COMPARISON

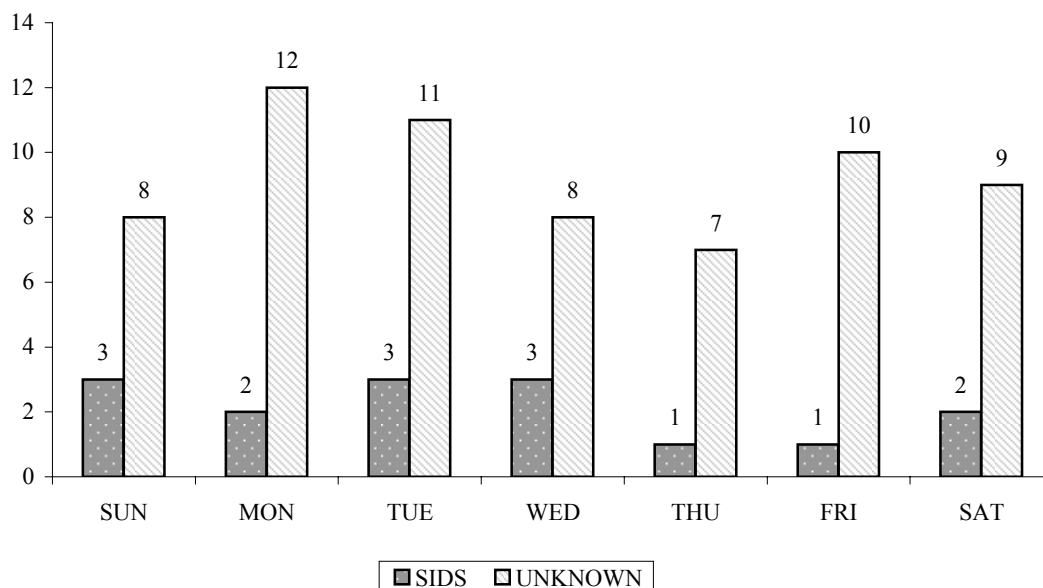
SIDS (15) vs UNKNOWN (65) DEATHS

AGES LESS THAN 1 YEAR

CLASSIFIED BY RACE

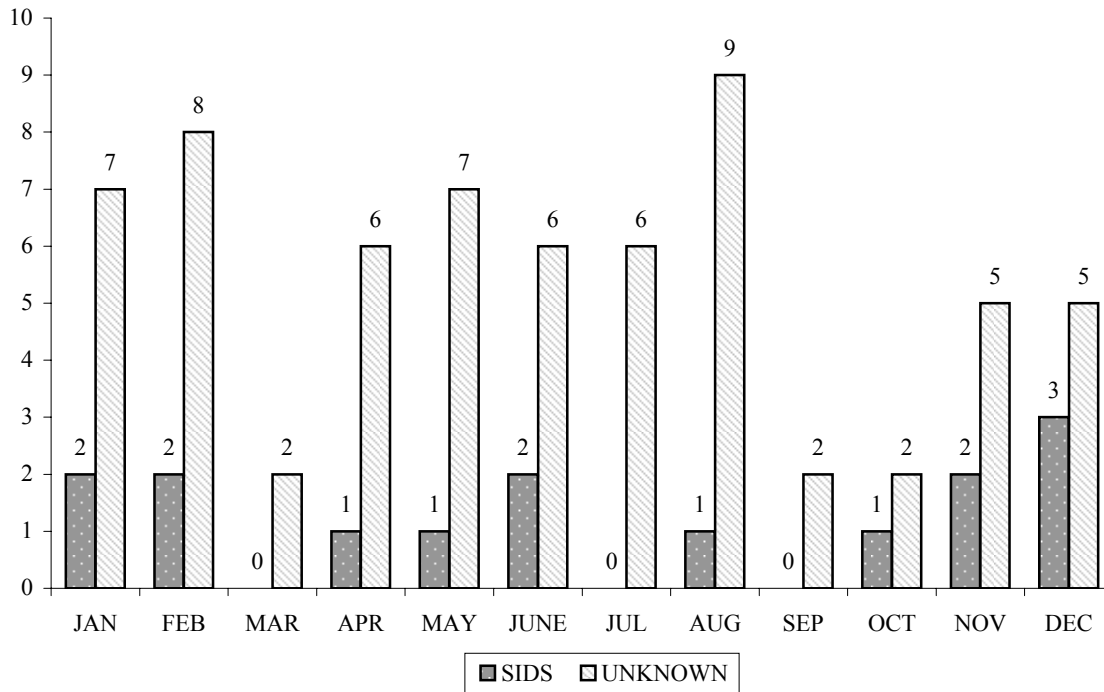


CLASSIFIED BY DAY OF WEEK

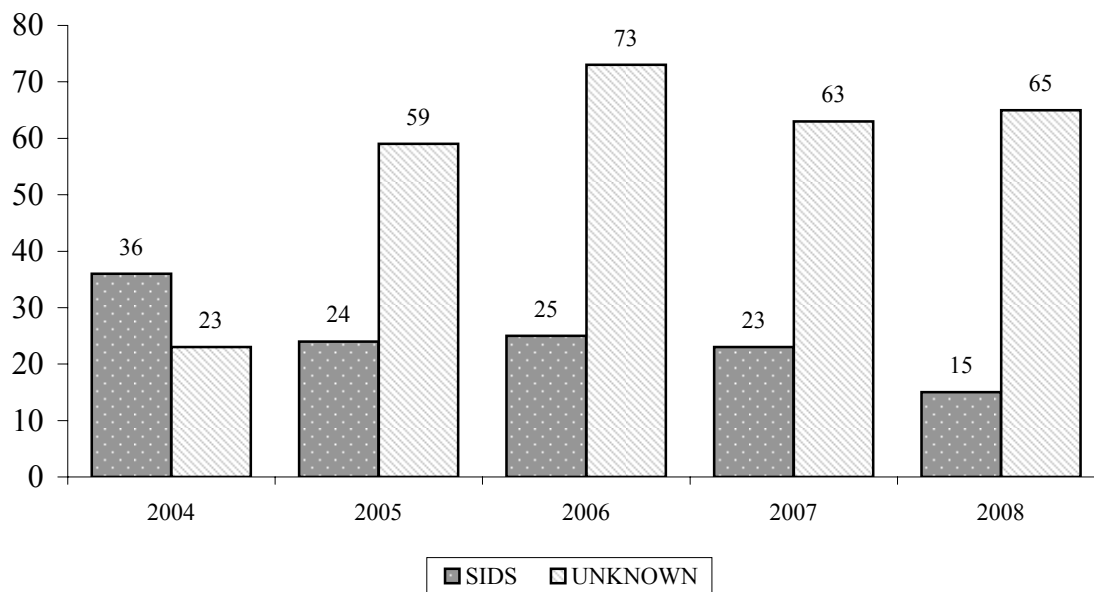


COMPARISON SIDS (15) vs UNKNOWN (65) DEATHS AGES LESS THAN 1 YEAR

CLASSIFIED BY MONTH

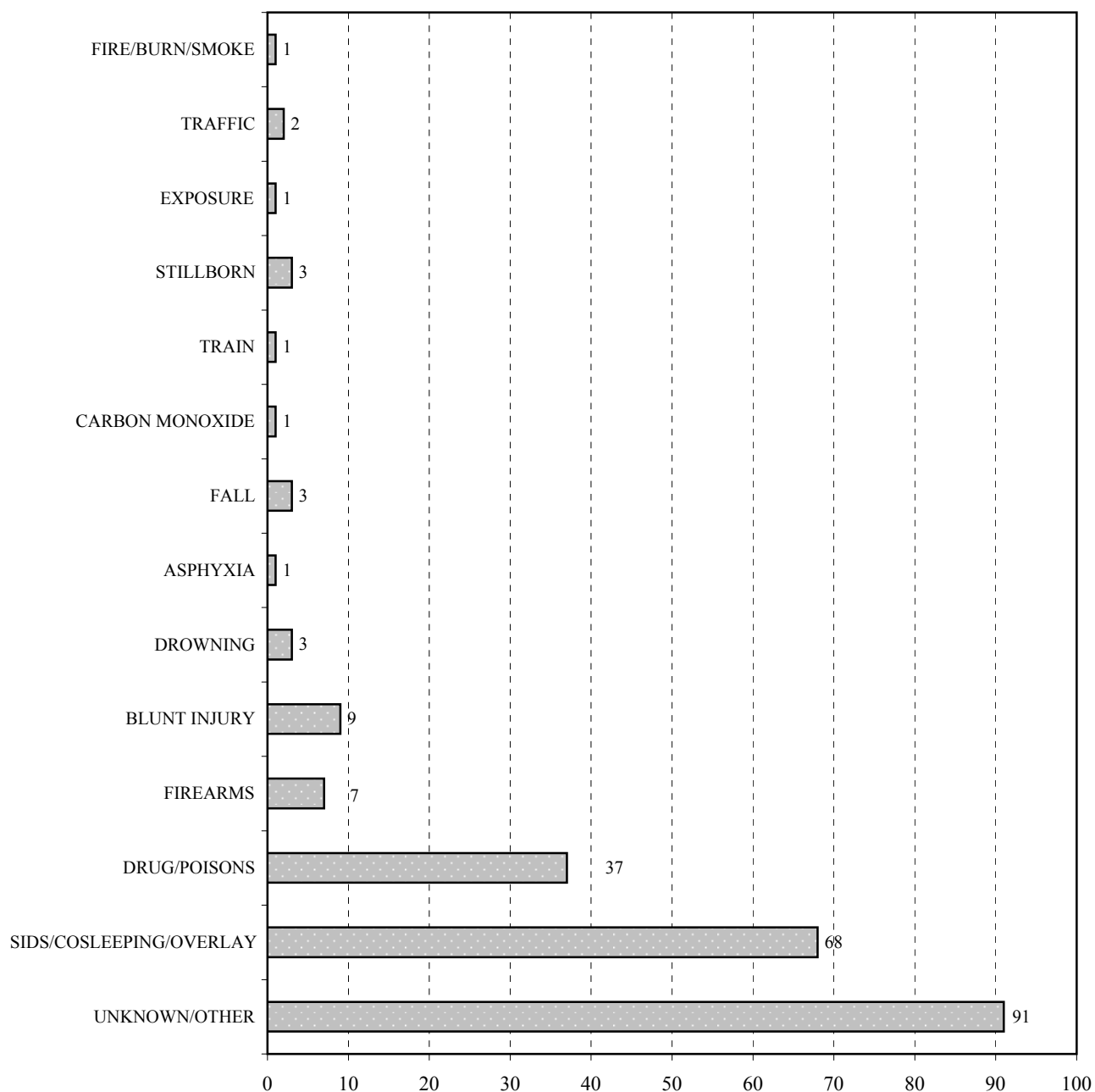


FIVE YEAR COMPARISON



UNDETERMINED MANNER OF DEATH

TOTAL 228



Deaths are certified as undetermined when serious doubt exists as to the manner of death. Information concerning the circumstances may be lacking because of the absence of background information, lack of witnesses, or because of a lengthy delay between death and discovery. If an extensive investigation and autopsy cannot clarify the situation, the death is placed in this category.

**MEDICAL EXAMINER CASES
EXAMINED AND/OR AUTOPSIED**

MANNER OF DEATH BY COUNTY							
COUNTY	ACCIDENT	TRAFFIC	HOMICIDE	SUICIDE	NATURAL	UNDETER	TOTAL
ADAIR	5	9	3	1	14	1	33
ALFALFA	0	0	0	0	5	2	7
ATOKA	3	7	0	1	7	0	18
BEAVER	3	3	0	1	4	1	12
BECKHAM	11	12	5	5	13	1	47
BLAINE	2	8	0	3	7	1	21
BRYAN	16	8	0	5	30	1	60
CADDO	8	17	0	4	19	1	49
CANADIAN	17	12	0	13	37	4	83
CARTER	15	13	3	3	51	1	86
CHEROKEE	24	15	2	8	10	2	61
CHOCTAW	1	4	3	5	11	1	25
CIMARRON	0	1	0	1	1	0	3
CLEVELAND	59	20	4	31	89	10	213
COAL	1	3	1	4	1	1	11
COMANCHE	26	18	6	12	62	10	134
COTTON	2	0	1	0	5	0	8
CRAIG	3	5	2	4	6	0	20
CREEK	25	10	0	13	34	3	85
CUSTER	7	8	0	0	6	2	23
DELAWARE	13	7	0	6	17	1	44
DEWEY	0	2	0	1	5	1	9
ELLIS	1	4	0	1	2	0	8
GARFIELD	20	11	0	14	35	1	81
GARVIN	9	6	1	4	51	1	72
GRADY	14	11	1	3	23	2	54
GRANT	3	1	0	0	3	1	8
GREER	2	2	3	0	3	0	10
HARMON	1	0	0	0	1	0	2
HARPER	2	2	0	5	2	0	11
HASKELL	3	10	0	0	5	1	19

MANNER OF DEATH BY COUNTY							
COUNTY	ACCIDENT	TRAFFIC	HOMICIDE	SUICIDE	NATURAL	UNDETER	TOTAL
HUGHES	3	3	4	1	9	2	22
JACKSON	8	2	1	2	5	1	19
JEFFERSON	0	4	0	0	3	0	7
JOHNSTON	4	3	1	4	4	2	18
KAY	17	18	2	7	23	2	69
KINGFISHER	1	3	0	3	6	0	13
KIOWA	4	1	0	2	5	1	13
LATIMER	3	2	1	2	10	0	18
LEFLORE	17	15	1	14	24	3	74
LINCOLN	9	13	4	8	16	0	50
LOGAN	10	6	1	6	22	1	46
LOVE	5	1	0	1	4	3	14
MAJOR	2	2	0	1	5	0	10
MARSHALL	2	8	0	2	13	1	26
MAYES	18	12	0	8	15	4	57
McCLAIN	10	11	0	3	16	4	44
McCURTAIN	15	7	9	6	27	1	65
McINTOSH	4	8	1	5	14	2	34
MURRAY	8	4	0	1	7	3	23
MUSKOGEE	33	11	2	10	43	2	101
NOBLE	1	1	0	1	1	0	4
NOWATA	4	0	0	0	5	1	10
OKFUSKEE	1	2	2	0	5	4	14
OKLAHOMA	285	140	84	105	451	50	1115
OKMULGEE	12	6	4	5	17	1	45
OSAGE	13	11	2	8	13	5	52
OTTAWA	16	6	2	6	8	5	43
PAWNEE	8	7	1	3	9	0	28
PAYNE	11	12	0	9	19	4	55
PITTSBURG	12	13	6	16	33	5	85
PONTOTOC	15	8	0	3	14	3	43
POTTAWATOMIE	29	18	3	9	34	6	99
PUSHMATAHA	5	4	0	5	5	2	21
ROGER MILLS	1	1	0	1	3	0	6

MANNER OF DEATH BY COUNTY							
COUNTY	ACCIDENT	TRAFFIC	HOMICIDE	SUICIDE	NATURAL	UNDETER	TOTAL
ROGERS	23	15	3	13	16	6	76
SEMINOLE	9	12	1	1	10	3	36
SEQUOYAH	6	12	2	5	22	2	49
STEPHENS	12	7	2	9	28	2	60
TEXAS	6	4	1	5	9	1	26
TILLMAN	2	4	0	1	6	0	13
TULSA	327	114	71	121	318	43	994
WAGONER	13	9	3	19	18	2	64
WASHINGTON	16	9	1	8	15	0	49
WASHITA	5	5	1	2	5	0	18
WOODS	5	2	1	1	5	1	15
WOODWARD	6	3	1	3	9	0	22
OUT OF STATE	0		0	0		0	0
TOTAL	1312	788	253	593	1908	228	5082

DEATHS REPORTED TO THE MEDICAL EXAMINER

TYPES OF DEATH BY COUNTY						
COUNTY	EXTERNAL EXAMINATION	TRANSPORT OUT OF STATE*	CREMATIONS*	AUTOPIES	JURISDICTION WAIVED	TOTAL
ADAIR	25	10	20	8	11	74
ALFALFA	4	0	7	3	5	19
ATOKA	16	7	17	2	8	50
BEAVER	10	8	9	2	14	43
BECKHAM	34	20	37	13	14	118
BLAINE	16	2	19	5	10	52
BRYAN	41	52	51	19	25	188
CADDO	42	0	25	7	11	85
CANADIAN	64	28	127	19	73	311
CARTER	70	24	138	16	76	324
CHEROKEE	41	13	91	20	25	190
CHOCTAW	15	20	11	10	11	67
CIMARRON	3	5	0	0	4	12
CLEVELAND	144	79	474	69	167	933
COAL	9	1	7	2	8	27
COMANCHE	91	45	260	43	120	559
COTTON	5	3	5	3	5	21
CRAIG	13	19	44	7	10	93
CREEK	65	17	147	20	42	291
CUSTER	16	12	38	7	55	128
DELAWARE	34	99	98	10	31	272
DEWEY	7	3	5	2	2	19
ELLIS	8	6	4	0	16	34
GARFIELD	63	28	207	18	105	421
GARVIN	61	8	58	11	24	162
GRADY	40	11	79	14	33	177
GRANT	7	4	10	1	2	24
GREER	4	0	11	6	6	27
HARMON	1	3	3	1	0	8
HARPER	10	8	4	1	6	29
HASKELL	14	8	11	5	13	51

TYPES OF DEATH BY COUNTY						
COUNTY	EXTERNAL EXAMINATION	TRANSPORT OUT OF STATE*	CREMATIONS*	AUTOPIES	JURISDICTION WAIVED	TOTAL
HUGHES	14	3	23	8	22	70
JACKSON	13	9	60	6	18	106
JEFFERSON	6	6	13	1	5	31
JOHNSTON	14	2	15	4	6	41
KAY	55	29	143	14	21	262
KINGFISHER	10	7	13	3	7	40
KIOWA	9	3	20	4	6	42
LATIMER	15	9	11	3	44	82
LEFLORE	53	76	27	21	25	202
LINCOLN	37	12	67	13	26	155
LOGAN	34	15	66	12	19	146
LOVE	10	5	12	4	3	34
MAJOR	10	0	15	0	6	31
MARSHALL	25	10	34	1	8	78
MAYES	46	14	84	11	17	172
McCLAIN	30	12	38	14	14	108
McCURTAIN	42	18	34	23	34	151
McINTOSH	28	10	56	6	30	130
MURRAY	20	5	18	3	22	68
MUSKOGEE	60	34	240	41	60	435
NOBLE	1	2	15	3	8	29
NOWATA	7	13	10	3	4	37
OKFUSKEE	10	2	19	4	17	52
OKLAHOMA	743	578	2548	372	973	5214
OKMULGEE	30	7	81	15	44	177
OSAGE	38	13	73	14	15	153
OTTAWA	30	110	27	13	17	197
PAWNEE	20	5	34	8	7	74
PAYNE	43	33	144	12	14	246
PITTSBURG	68	17	97	17	36	235
PONTOTOC	32	16	59	11	30	148
POTTAWATOMIE	72	26	169	27	61	355
PUSHMATAHA	17	7	14	4	15	57
ROGER MILLS	5	2	3	1	2	13
ROGERS	53	42	178	23	85	381
SEMINOLE	27	2	40	9	33	111

TYPES OF DEATH BY COUNTY						
COUNTY	EXTERNAL EXAMINATION	TRANSPORT OUT OF STATE*	CREMATIONS*	AUTOPIES	JURISDICTION WAIVED	TOTAL
SEQUOYAH	35	28	31	14	27	135
STEPHENS	44	25	104	16	33	222
TEXAS	15	22	2	11	20	70
TILLMAN	12	2	6	1	4	25
TULSA	656	575	2396	338	330	4295
WAGONER	45	11	76	19	23	174
WASHINGTON	41	84	224	8	17	374
WASHITA	13	4	20	5	6	48
WOODS	10	14	8	5	39	76
WOODWARD	18	6	34	4	26	88
OUT OF STATE	0	0	0	0	4	4
UNKNOWN	0	0	0	0	0	0
TOTAL	3589	2468	9418	1493	3215	20183
<p>*2081 OF THE CASES CREMATED/SHIPPED OUT OF STATE WERE ALSO MEDICAL EXAMINER CASES FOR OTHER REASONS AND WERE EXAMINED AND/OR AUTOPSIED</p>						

DEATHS DUE TO DRUGS AND POISONS

SINGLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
ACETAMINOPHEN	4		1	3	8
ALPRAZOLAM	8		2		10
AMITRIPTYLINE	2		2		4
AMPHETAMINE	2				2
BUPROPION			2		2
BUTALBITAL	1		1		2
CAFFEINE	1				1
CARISOPRODOL	1		1		2
CITALOPRAM	1		1		2
CLOMIPRAMINE	1				1
CLOZAPINE	1				1
COCAINE	24				24
CYCLOBENZAPRINE			2		2
DIAZEPAM			1		1
DIPHENHYDRAMINE	2				2
DOXEPIN			2		2
ETHANOL	36				36
FENTANYL	34		4	2	40
FLUOXETINE	1				1
HEROIN	3				3
HYDROCHLOROTHIAZIDE			1		1
HYDROCODONE	20			1	21
HYDROMORPHONE	1			1	2
INSULIN	1				1
METHADONE	67		2	4	73
METHAMPHETAMINE	45		2	1	48
MORPHINE				2	2
NISOLDIPINE			1		1
NORDIAZEPAM				1	1
NORTRIPTYLINE	1				1
OLANZAPINE	1				1
OPIATES	1				1
OXYCODONE	43			2	45
OXYMORPHONE	1				1
PAROXETINE	2				2
PENTOBARBITAL			1		1
PHENTERMINE	1				1
PHENYTOIN	1			1	2
PROPROXYPHENE	3		1	1	5
QUETIAPINE	2		1		3
SERTRALINE	1		1		2
TERPIN HYDRATE				1	1

DEATHS DUE TO DRUGS AND POISONS

SINGLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
TRAMADOL	4			1	5
TRICYCLICS	1				1
VENLAFAXINE			1		1
VERAPAMIL			2		2
TOTAL	318	0	32	21	371

POISONS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
1,1-DIFLUOROETHANE	1				1
BUTANE			1		1
DIFLUOROETHANE AND TETRACHLOROETHYLENE	1				1
ETHYLENE GLYCOL			2		2
HEAVY METAL	1				1
INSECTICIDE/PESTICIDE			1		1
ISOPROPYL ALCOHOL	1				1
METHANOL	1		1		2
TOLUENE	5				5
TOTAL	10	0	5	0	15

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
ACETAMINOPHEN, CARISPRODOL	1				1
ACETAMINOPHEN, DIPHENHYDRAMINE			1		1
ACETAMINOPHEN, HYDROCODONE	2				2
ACETAMINOPHEN, TRAMADOL			1		1
ALPRAZOLAM, ALCOHOL, MORPHINE	1				1
ALPRAZOLAM, CARISOPRODOL, HDYROMORPHONE	1				1
ALPRAZOLAM, CARISOPRODOL, HYDRCODONE	1				1
ALPRAZOLAM, CARISOPRODOL, MEPROBAMATE, OXYCODONE, OXYMORPHONE, METHAMPHETAMINE, AMPHETAMINE	1				1
ALPRAZOLAM, ETHANOL	1			1	2
ALPRAZOLAM, ETHANOL, CARISOPRODOL	1				1
ALPRAZOLAM, FENTANYL	1				1
ALPRAZOLAM, HYDROCODONE, ACETAMINOPHEN	1				1
ALPRAZOLAM, HYDROCODONE, CARISOPRODOL, DIPHENHYDRAMINE	1				1
ALPRAZOLAM, HYDROCODONE, METHADONE, DIAZEPAM, DIPHENHYDRAMINE, CARISOPRODOL	1				1
ALPRAZOLAM, HYDROCODONE, OXYCODONE	1				1
ALPRAZOLAM, MORPHINE, CITALOPRAM	1				1
ALPRAZOLAM, OXYCODONE, ACETAMINOPHEN	1				1
ALPRAZOLAM, OXYCODONE, DIAZEPAM	1				1
ALPRAZOLAM, OXYCODONE, HYDROCODONE	1				1
ALPRAZOLAM, PROPOXYPHENE, NORPROPOXYPHENE, HYDROCODONE	1				1
ALPRAZOLAM, QUETIAPINE	1				1
ALPRAZOLAM, ZOLPIDEM, ETHANOL			1		1
AMITRIPTYLINE, FLUVOXAMINE, TEMAZEPAM			1		1
AMITRIPTYLINE, HYDROCODONE, DIAZEPAM, CLONAZEPAM			1		1
AMITRIPTYLINE, NORTRIPTYLINE	1				1
AMPHETAMINE, OPIATE	1				1
AMPHETAMINE, ALPRAZOLAM, TRAMADOL	1				1
BUPROPION, FLUOXETINE			1		1
BUTALBITAL, TRAMADOL	1				1
CARISOPRODOL, ALPRAZOLAM	1				1
CARISOPRODOL, HYDROCODONE, TRAMADOL	1				1

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
CARISOPRODOL, MEPROBAMATE, DIPHENHYDRAMINE	1				1
CARISOPRODOL, MORPHINE, MEPROBAMATE	1				1
CHLORPHENIRAMINE, HYDROCODONE	2				2
CITALOPRAM, AMITRIPTYLINE	1				1
CITALOPRAM, HYDROCODONE, PROPOXYPHEN	1				1
CITALOPRAM, METHADONE, DIAZEPAM	1				1
CITALOPRAM, MIRTAZAPINE			1		1
CITALOPRAM, TRAMADOL	1				1
CITALOPRAM, TRAMADOL, METHADONE	1				1
COCAINE, ALPRAZOLAM	1				1
COCAINE, ALPRAZOLAM, HYDROCODONE, CARISOPRODOL	1				1
COCAINE, ALPRAZOLAM, OXYCODONE	1				1
COCAINE, CITALOPRAM, BUTALBITAL, MORPHINE	1				1
COCAINE, ETHANOL	3				3
COCAINE, HYDROCODONE, HYDROMORPHONE	1				1
COCAINE, METHADONE	1				1
COCAINE, METHADONE, DIPHENHYDRAMINE	1				1
COCAINE, METHADONE, PROMETHAZINE	1				1
COCAINE, METHAMPHETAMINE, MEPROBAMATE	1				1
COCAINE, MORPHINE	1				1
COCAINE, OPIATES	1				1
COCAINE, OXYCODONE, HYDROCODONE, ETHANOL, DIAZEPAM	1				1
COCAINE, OXYCODONE, ALPRAZOLAM	1				1
CODEINE, ALPRAZOLAM	1				1
CODEINE, DIAZEPAM, CARISOPRODOL, ACETAMINOPHEN	1				1
CODEINE, OXYCODONE	1				1
CYCLOBENZAPRINE, BENZTROPINE			1		1
CYCLOBENZAPRINE, CITALOPRAM, AMITRIPTYLINE	1				1
CYCLOBENZAPRINE, HYDROCODONE, ETHANOL	1				1
CYCLOBENZAPRINE, HYDROCODONE, TRAMADOL, HYDROXYZINE, PROMETHAZINE	1				1
CYCLOBENZAPRINE, METHADONE	1				1
DIPHENHYDRAMINE, ALPRAZOLAM			1		1
DIPHENHYDRAMINE, CLONIDINE	1				1
DIPHENHYDRAMINE, ETHANOL, TRAZODONE	1				1

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
DULOXETINE, CITALOPRAM, OLANZAPINE, QUETIAPINE	1				1
ETHANOL, ALPRAZOLAM, HYDROCODONE	1				1
ETHANOL, BUTALBITAL, CYCLOBENZAPRINE	1				1
ETHANOL, CARISOPRODOL	1				1
ETHANOL, CITALOPRAM	2				2
ETHANOL, COCAINE, OXYCODONE	1				1
ETHANOL, DIAZEPAM	1				1
ETHANOL, HYDROCODONE	5				5
ETHANOL, LIBRIUM	1				1
ETHANOL, METHADONE, AMITRIPTYLINE	1				1
ETHANOL, PROPOXYPHENE	1				1
ETHANOL, TEMAZEPAM	1				1
ETHANOL, TRAMADOL	1				1
FENOPROFEN, ALPRAZOLAM			1		1
FENTANYL, ALPRAZOLAM, CARISOPRODOL	1				1
FENTANYL, ALPRAZOLAM, OLANZAPINE, MIRTAZEPINE			1		1
FENTANYL, ALPRAZOLAM, OXYCODONE	1				1
FENTANYL, CYCLOBENZAPRINE, TRAMADOL, CITALOPRAM, DIPHENHYDRAMINE	1				1
FENTANYL, DIAZEPAM	2				2
FENTANYL, DIAZEPAM, NORDIAZEPAM, ETHANOL	1				1
FENTANYL, ETHANOL	1		1		2
FENTANYL, HYDROCODONE, ETHANOL	1				1
FENTANYL, MEPERIDINE				1	1
FENTANYL, METHADONE	2				2
FENTANYL, METHADONE, HYDROCODONE	1				1
FENTANYL, OXYCODONE	2				2
FENTANYL, PROPOXYPHENE	1				1
FENTANYL, TEMAZEPAM	1				1
FENTANYL, TRAMADOL, CYCLOBENZAPRINE, HYDROCODONE	1				1
FLUOXETINE, DILTIAZEM, ALPRAZOLAM, PROPOXYPHENE, LAMOTRIGINE, OXCARBAZEPINE			1		1
FLUOXETINE, DILTIAZEM	1				1
FLUOXETINE, QUETIAPINE, ALCOHOL			1		1
HEROIN, ALPRAZOLAM, COCAINE	1				1

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
HEROIN, ETHANOL	2				2
HEROIN, COCAINE, HYDROCODONE	1				1
HYDROCODONE, ALFENTANIL	1				1
HYDROCODONE, ALPRAZOLAM	7		3	2	12
HYDROCODONE, ALPRAZOLAM, CARISOPRODOL	1				1
HYDROCODONE, ALPRAZOLAM, CARISOPRODOL, MEPROBAMATE	2				2
HYDROCODONE, ALPRAZOLAM, CARISOPRODOL, ZOLPIDEM	1				1
HYDROCODONE, ALPRAZOLAM, ETHANOL	2		1		3
HYDROCODONE, ALPRAZOLAM, FENTANYL	1				1
HYDROCODONE, ALPRAZOLAM, HYDROMORPHONE	1				1
HYDROCODONE, AMITRIPTYLINE	1				1
HYDROCODONE, AMITRIPTYLINE, RAMADOL, DIPHENHYDRAMINE, DOXYLAMINE, PROMETHAZINE	1				1
HYDROCODONE, CARISOPRODOL	4				4
HYDROCODONE, CARISOPRODOL, ETHANOL	1				1
HYDROCODONE, CARISOPRODOL, MEPROBAMATE, DIAZEPAM, NORDIAZEPAM	1				1
HYDROCODONE, CARISOPRODOL, TRAMADOL	1				1
HYDROCODONE, CHLORPHENIRAMINE	1				1
HYDROCODONE, CITALOPRAM, ETHANOL	1				1
HYDROCODONE, COCAINE, BENZOYLECGONINE, DIAZEPAM, NORDIAZEPAM, ETHANOL	1				1
HYDROCODONE, CYCLOBENZAPRINE				1	1
HYDROCODONE, DIAZEPAM	2				2
HYDROCODONE, DIAZEPAM, DIPHENHYDRAMINE, ACETAMINOPHEN	1				1
HYDROCODONE, ETHANOL	1				1
HYDROCODONE, FENTANYL	2				2
HYDROCODONE, HYDROMORPHONE	1				1
HYDROCODONE, MEPROBAMATE, CARISOPRODOL, ACETAMINOPHEN, OXYCODONE	1				1
HYDROCODONE, MEPROBAMATE, CARISOPRODOL	1				1
HYDROCODONE, MEPROBAMATE, DIPHENHYDRAMINE			1		1
HYDROCODONE, METHADONE, OXYCODONE	1				1
HYDROCODONE, MORPHINE	3				3
HYDROCODONE, OXYCODONE	2		1		3

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
HYDROCODONE, PROPOXYPHENE	1				1
HYDROCODONE, SERTRALINE			1		1
HYDROMORPHONE, ETHANOL	1				1
HYDROMORPHONE, METHYLENEDIOXYMETHYL-	1				1
IMIPRAMINE, DESIPRAMINE, PAROXETINE, FENTANYL	1				1
LAMOTRIGINE, QUETIAPINE, SERTRALINE			1		1
METFORMIN, PIOGLITAZONE, VALSARTAN, DIPHENHYDRAMINE, SIMVASTATIN, SITAGLIPTIN, SILDENAFIL CITRATE			1		1
METHADONE, ALPRAZOLAM	9			2	11
METHADONE, ALPRAZOLAM, AMITRIPTYLINE	2				2
METHADONE, ALPRAZOLAM, CARISOPRODOL	1				1
METHADONE, ALPRAZOLAM, CARISOPRODOL, MEPROBAMATE	1				1
METHADONE, ALPRAZOLAM, ETHANOL	1				1
METHADONE, ALPRAZOLAM, HYDROCODONE	1				1
METHADONE, METHAMPHETAMINE, ALPRAZOLAM	1				1
METHADONE, ALPRAZOLAM, TRAMADOL, CITALOPRAM, ETHANOL	1				1
METHADONE, AMITRIPTYLINE, ALPRAZOLAM, DIPHENHYDRAMINE	1				1
METHADONE, AMITRIPTYLINE, CYCLOBENZAPRINE			1		1
METHADONE, BUTALBITAL			1		1
METHADONE, CITALOPRAM	1				1
METHADONE, CITALOPRAM, DOXEPIN	1				1
METHADONE, COCAINE	3				3
METHADONE, COCAINE, ETHANOL	2				2
METHADONE, CYCLOBENZAPRINE, AMANTADINE	1				1
METHADONE, DIAZEPAM	1		1		2
METHADONE, DIAZEPAM, DIPHENHYDRAMINE	1				1
METHADONE, DIAZEPAM, NORDIAZEPAM, DIPHENHYDRAMINE	1				1
METHADONE, ETHANOL	2				2
METHADONE, HYDROCODONE	4				4
METHADONE, HYDROCODONE, DIAZEPAM, NORDIAZEPAM	1				1
METHADONE, MEPERIDINE, DIAZEPAM			1		1
METHADONE, METHAMPHETAMINE	2			1	3
METHADONE, MORPHINE, ALPRAZOLAM	1				1
METHADONE, MORPHINE, HYDROCODONE, OXYCODONE	1				1
METHADONE, MORPHINE, OXYMORPHONE				1	1

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
METHADONE, OXYCODONE, ALPRAZOLAM	1				1
METHADONE, OXYCODONE, ALPRAZOLAM, NORTRIPTYLINE	1				1
METHAMPHETAMINE, AMPHETAMINE	2				2
METHAMPHETAMINE, AMPHETAMINE, METHADONE	1				1
METHAMPHETAMINE, COCAINE, FLUVOXAMINE	1				1
METHAMPHETAMINE, HYDROCODONE	1				1
METHAMPHETAMINE, MORPHINE, HYDROCODONE	1				1
METHAMPHETAMINE, PROPOXYPHENE, ALPRAZOLAM, ACETAMINOPHEN			1		1
MIRTAZAPINE, DILTIAZEM			1		1
MODAFINIL, SALICYLATE			1		1
MORPHINE , ALPRAZOLAM	4				4
MORPHINE, ALPRAZOLAM, SECOBARBITAL, CARISOPRODOL, CLONAZEPAM	1				1
MORPHINE, ALPRAZOLAM, CITALOPRAM, CYCLOBENZAPRINE				1	1
MORPHINE, ALPRAZOLAM, CYCLOBENZAPRINE	1				1
MORPHINE, ALPRAZOLAM, DEXTROMETHORPHAN	1				1
MORPHINE, ALPRAZOLAM, DIPHENHYDRAMINE	1				1
MORPHINE, ALPRAZOLAM, ETHANOL	1				1
MORPHINE, ALPRAZOLAM, OXYCODONE	1				1
MORPHINE, AMPHETAMINE	1				1
MORPHINE, CLONAZEPAM			1		1
MORPHINE, DEXTROMETHORPHAN			1		1
MORPHINE, DIAZEPAM	2				2
MORPHINE, DIAZEPAM, TEMAZEPAM	1				1
MORPHINE, DIPHENHYDRAMINE, DIAZEPAM	1				1
MORPHINE, ETHANOL	4				4
MORPHINE, FLUOXETINE	1				1
MORPHINE, HYDROCODONE	2				2
MORPHINE, HYDROCODONE, ETHANOL	1				1
MORPHINE, HYDROCODONE, FENTANYL				2	2
MORPHINE, METHADONE	5				5
MORPHINE, OXYCODONE, ALPRAZOLAM, DIAZEPAM, NORDIAZEPAM, TEMAZEPAM	1				1
MORPHINE, OXYCODONE, DIAZEPAM	1				1

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
MORPHINE, OXYCODONE, HYDROCODONE	1				1
MORPHINE, OXYCODONE, TRAMADOL	1				1
MORPHINE, PAROXETINE	1				1
MORPHINE, PROPOXYPHENE	2				2
MORPHINE, TEMAZEPAM			1		1
MORPHINE, TEMAZEPAM, ETHANOL	1				1
MORPHINE, TRAMADOL, DIPHENHYDRAMINE	1				1
MORPHINE, VENLAFAXINE	1				1
NORTRIPTYLINE, HYDROCODONE				1	1
OLANZAPINE, FLUVOXAMINE, VENLAFAXINE, VALPROIC ACID	1				1
OPIATES, BENZODIAZEPINES, AMPHETAMINES	1				1
OPIATES, BENZODIAZEPINES, ETHYL ALCOHOL	1				1
OXYCODONE, ACETAMINOPHEN, MEPROBAMATE, CARISOPRODOL	1				1
OXYCODONE, ALPRAZOLAM	9				9
OXYCODONE, ALPRAZOLAM, SECOBARBITAL, ALCOHOL			1		1
OXYCODONE, ALPRAZOLAM, CARISOPRODOL, DIAZEPAM	1				1
OXYCODONE, ALPRAZOLAM, CITALOPRAM	1		1		2
OXYCODONE, ALPRAZOLAM, ETHANOL	2				2
OXYCODONE, AMITRIPTYLINE			1		1
OXYCODONE, AMPHETAMINE, ETHANOL, CITALOPRAM, TRAZODONE	1				1
OXYCODONE, BENZOYLECGONINE	1				1
OXYCODONE, CARISOPRODOL	3				3
OXYCODONE, CARISOPRODOL, TEMAZEPAM	1				1
OXYCODONE, CITALOPRAM, VENLAFAXINE	1				1
OXYCODONE, COCAINE	1				1
OXYCODONE, COCAINE, CARISOPRODOL	1				1
OXYCODONE, DIAZEPAM, CITALOPRAM			1		1
OXYCODONE, DIAZEPAM, NORDIAZEPAM, TEMAZEPAM	1				1
OXYCODONE, ETHANOL	7				7
OXYCODONE, FENTANYL	4				4
OXYCODONE, HYDROCODONE, ALPRAZOLAM	2				2
OXYCODONE, HYDROCODONE, ALPRAZOLAM, CARISOPRODOL	1				1
OXYCODONE, HYDROCODONE, ALPRAZOLAM, ETHANOL	1				1
OXYCODONE, HYDROCODONE, AMITRIPTYLINE				1	1

DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
OXYCODONE, HYDROCODONE, DIAZEPAM, NORDIAZEPAM	1				1
OXYCODONE, HYDROCODONE, NORDIAZEPAM	1				1
OXYCODONE, METHAMPHETAMINE	1				1
OXYCODONE, METHOCARBAMOL	1				1
OXYCODONE, MORPHINE	2				2
OXYCODONE, OXYMORPHONE, ALPRAZOLAM	1				1
OXYCODONE, OXYMORPHONE, FENTANYL, CYCLOBENZAPRINE, ALPRAZOLAM	1				1
OXYCODONE, PROMETHAZINE, PROPOXYPHENE	1				1
OXYCODONE, TEMAZEPAM, ZOLPIDEM	1				1
OXYCODONE, TRAMADOL	1				1
OXYCODONE, VENLAFAXINE	1				1
OXYCODONE, ZOLPIDEM, ALPRAZOLAM	1				1
OXYMORPHONE, HYDROCODONE, CHLORPHENIRAMINE	1				1
OXYMORPHONE, OXYCODONE, ALPRAZOLAM, DIAZEPAM, NORDIAZEPAM, CITALOPRAM	1				1
OXYMORPHONE, PHENTERMINE	1				1
OXYMORPHONE, TRAMADOL			1		1
PAROXETINE, METHADONE, CARISOPRODOL	1				1
PENTAZOCINE			1		1
PHENCYCLIDINE	1				1
PHENMETRAZINE	1				1
PROPOXYPHENE, ACETAMINOPHEN, CARISOPRODOL, DIPHENHYDRAMINE	1				1
PROPOXYPHENE, ACETAMINOPHEN, OXYCODONE	1				1
PROPOXYPHENE, ACETAMINOPHEN, OXYCODONE, PROMETHAZINE	1				1
PROPOXYPHENE, ALPRAZOLAM	2		1	1	4
PROPOXYPHENE, CARISOPRODOL, CLONAZEPAM	1				1
PROPOXYPHENE, DIPHENHYDRAMINE	1				1
PROPOXYPHENE, NORPROPOXYPHENE, DIAZEPAM, NORDIAZEPAM, TEMAZEPAM	1				1
PROPOXYPHENE, NORPROPOXYPHENE, OXYCODONE	1				1
PROPOXYPHENE, TEMAZEPAM, ALPRAZOLAM	1				1
PROPOXYPHENE, VENLAFAXINE			1		1

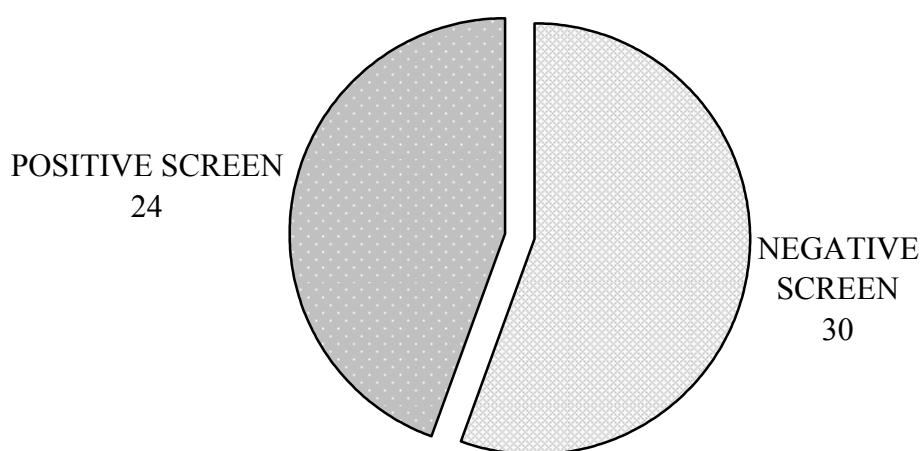
DEATHS DUE TO DRUGS AND POISONS

MULTIPLE DRUG DEATHS	ACCIDENT	HOMICIDE	SUICIDE	UNKNOWN	TOTAL
PROPRANOLOL, BUTALBITAL, ACETAMINOPHEN, DIPHENHYDRAMINE			1		1
PROPRANOLOL, ZOLPIDEM			1		1
PROTRIPTYLINE, VERAPAMIL	1				1
QUETIAPINE, DIPHENHYDRAMINE			1		1
QUETIAPINE, ETHANOL	3				3
SALICYLATE, CITALOPORAM, FLUOXETINE			1		1
THIOPENTAL SODIUM VERCURONIUM BROMIDE, POTASSIUM CHLORIDE SYNERGISM		2			2
TRAMADOL, CARISOPRODOL, MEPROBAMATE, ALPRAZOLAM	1				1
TRAMADOL, DIPHENHYDRAMINE	1				1
TRAMADOL, HYDROCODONE, CYCLOBENZAPRINE, COCAINE	1				1
TRAMADOL, TRAZODONE, ETHANOL, VENLAFAXINE, CYPROHEPTADINE, HYDROXYZINE	1				1
TRAZODONE, ETHANOL	1		1		2
TRAZODONE, HYDROCODONE, METAXALONE			1		1
VENLAFAXINE, TRAMADOL			1		1
ZOLPIDEM, ETHANOL, AMITRIPTYLINE				1	1
TOTAL	312	2	48	16	378

HOMICIDES

SCREENED FOR DRUGS

54 OF 253 (21%) WERE SCREENED



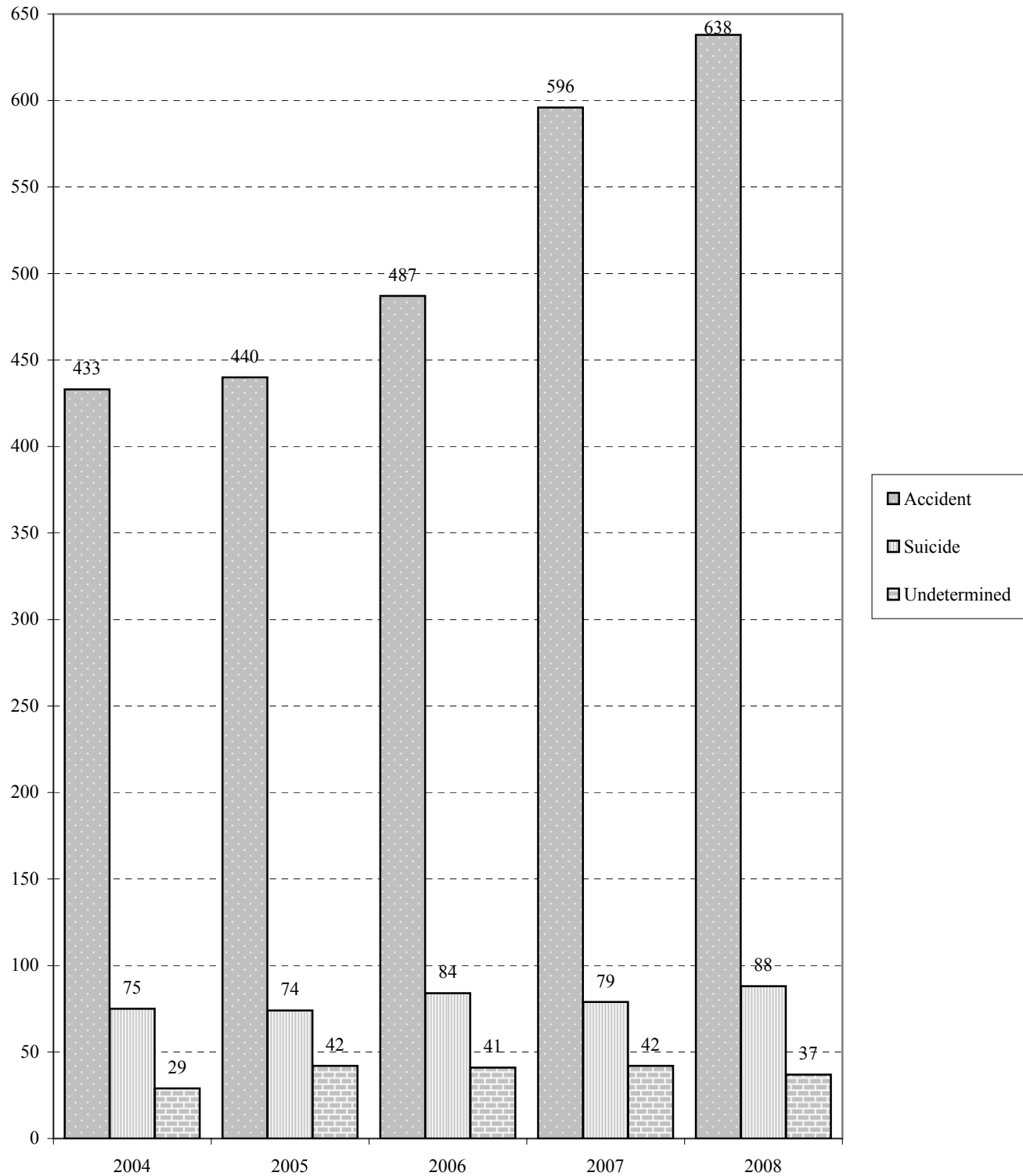
Positive drugs to include:

Cocaine & related	Methamphetamine
Amphetamine	Alprazolam
Phenobarbital	Nordiazepam
Diphenhydramine	Ethylene Glycol
Phenytoin	Fentanyl
Diazepam	Doxepin
Phencyclidine	Nordoxepin
Citalopram	Morphine
Levetiracetam	Codeine
Mirtazepine	Promethazine
Acetaminophen	Fluoxetine
Norfluoxetine	Cyclobenzaprine
Propoxyphene	Norpropoxyphene
Lidocaine	Tramadol

*Drugs detected – more than one drug may be found in a case

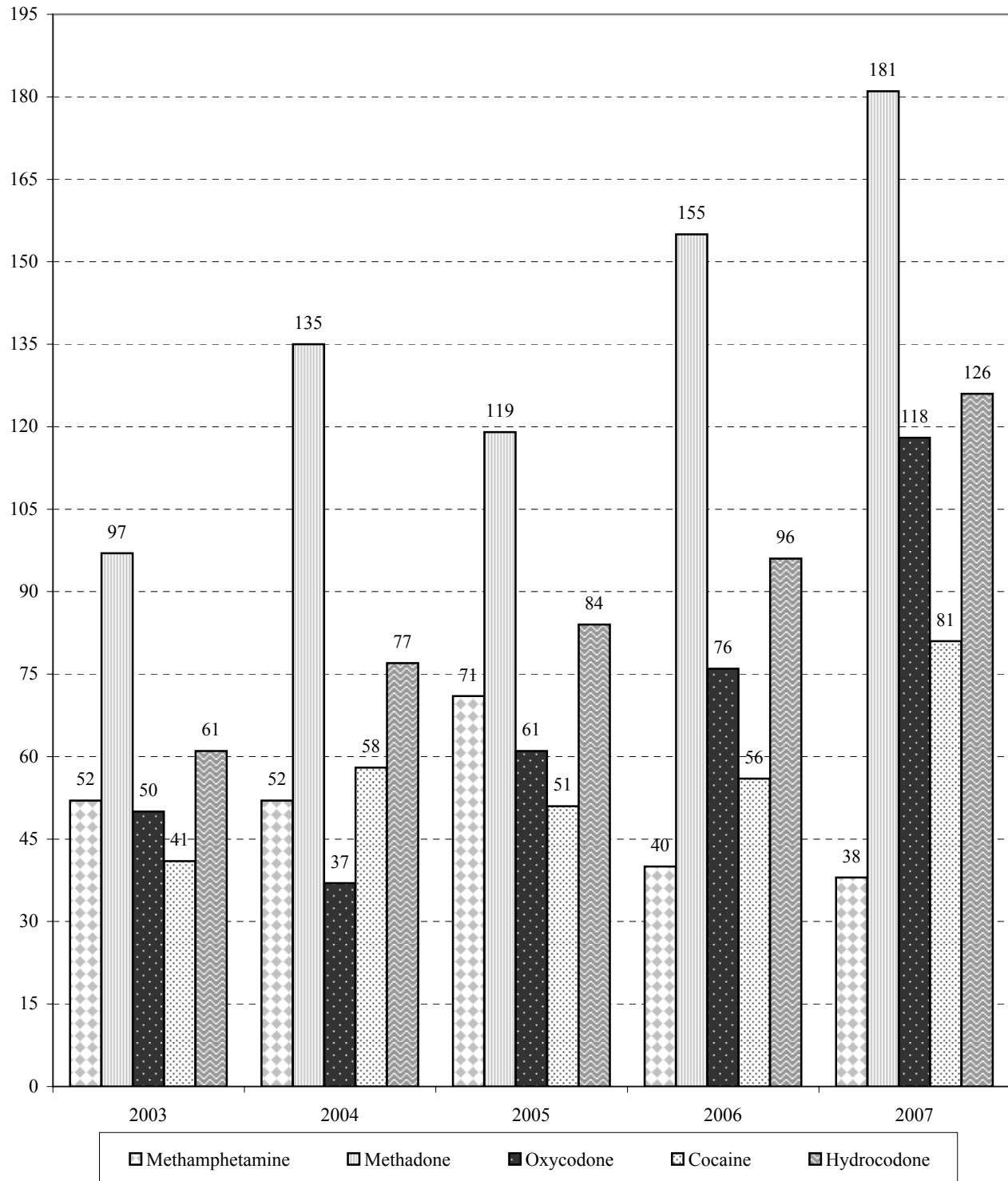
DRUG DEATHS BY MANNER

FIVE YEAR COMPARISON



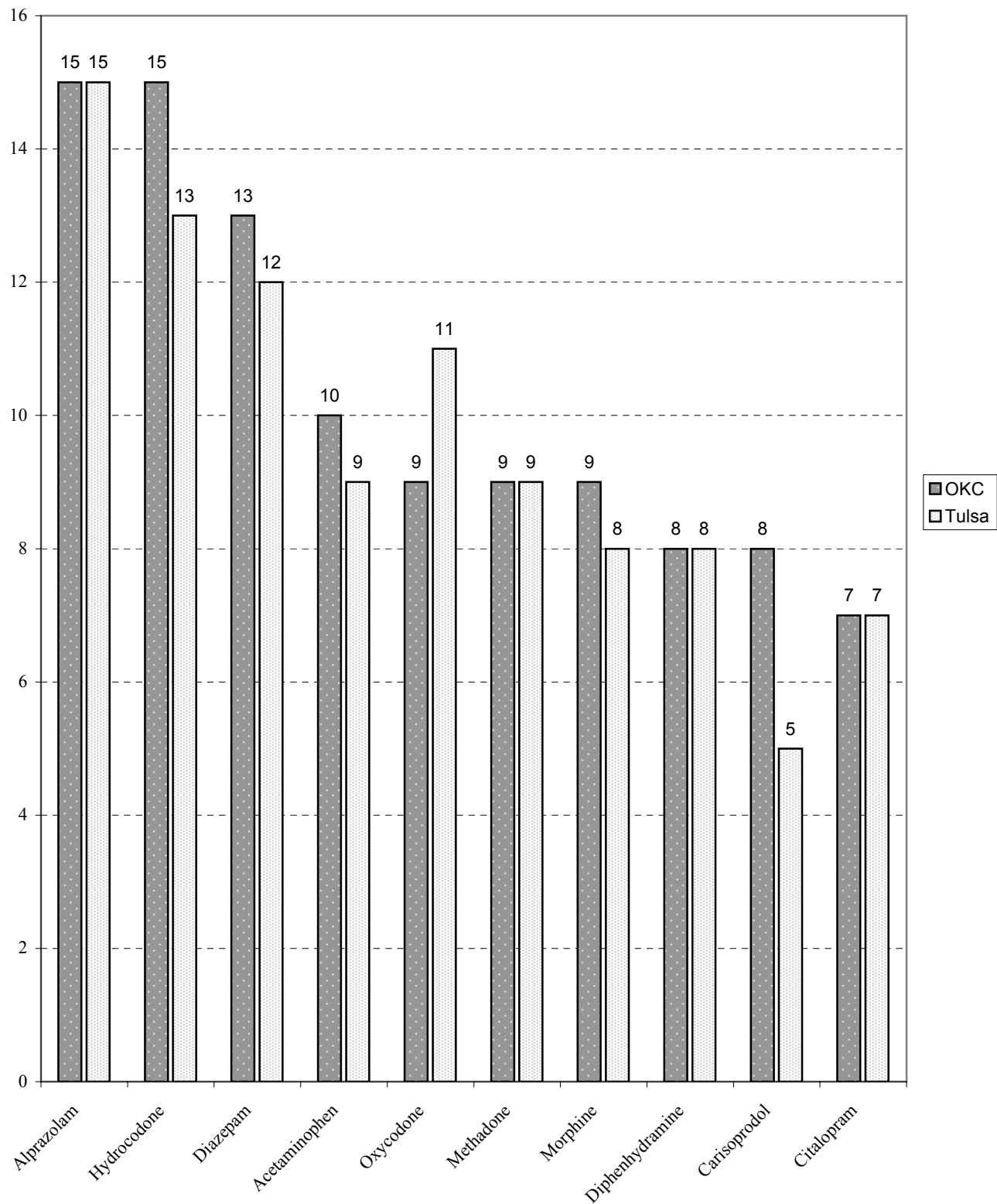
COMMON DRUG DEATHS

FIVE YEAR COMPARISON



2008 Top Ten Normalized*

(*Number of cases + % cases screened by Jurisdiction)



2008 Top Ten Drugs Detected By Jurisdiction

